



**COMMONWEALTH OF VIRGINIA
STANDARD CONTRACT**

Contract No. UCPJMU4423

This contract entered into this 28th day of April 2015, by Waco, Inc hereinafter called the "Contractor" and Commonwealth of Virginia, James Madison University called the "Purchasing Agency".

WITNESSETH that the Contractor and the Purchasing Agency, in consideration of the mutual covenants, promises and agreements herein contained, agree as follows:

SCOPE OF CONTRACT: The Contractor shall provide the services to the Purchasing Agency as set forth in the Contract Documents.


PERIOD OF PERFORMANCE: From May 11, 2015 through May 10, 2016 with 9 one-year renewal options.

The contract documents shall consist of:

- (1) This signed form;
- (2) The following portions of the Request for Proposal #CMB-772 dated March 4, 2015:
 - (a) The Statement of Needs,
 - (b) The General Terms and Conditions,
 - (c) The Special Terms and Conditions together with any negotiated modifications of those Special Conditions;
- (3) The Contractor's Proposal dated April 1, 2015 and the following negotiated modification to the Proposal, all of which documents are incorporated herein.
 - (a) Negotiated Pricing Summary

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound thereby.

CONTRACTOR:

By: 
(Signature)

Larry E. Battaille
(Printed Name)

Title: Vice President

PURCHASING AGENCY:

By: 
(Signature)

Chris Beahm
(Printed Name)

Title: Senior Buyer



**RFP # CMB -854, ASBESTOS AND ABATEMENT SERVICES
NEGOTIATION SUMMARY FOR SOUTHERN ENVIRONMENTAL
SERVICES INC.**

4/28/2015

Contractor has disclosed all potential fees. Additional charges will not be accepted by James Madison University.

Labor	Normal	Overtime	Holiday
Worker	\$38.00	\$55.10	\$72.20
Virginia Licensed Supervisor	\$41.00	\$59.45	\$77.90
Foreman	\$43.00	\$62.35	\$81.70
Mechanical Insulator Helper	\$35.54	\$51.53	\$67.53
Mechanical Insulator Mechanic	\$38.12	\$55.27	\$72.43
Mechanical Insulator Foreman	\$40.72	\$59.04	\$77.37

Materials	Unit	Cost	
Mastic Remover	Pail	\$86.19	
Encapsulant	Pail	\$59.44	
Spray Adhesive	Can	\$5.35	
Duct Tape	Roll	\$5.86	
Painter Tape - Blue	Roll	\$4.67	
Barricade Tape	Roll	\$18.63	
Protective Suit	Each	\$5.35	
Rubber Gloves	Pair	\$2.31	
Leather Palm Gloves	Pair	\$4.62	
Respirator Filter - 1/2 Face	Pair	\$6.93	
Rags - 10#	Bag	\$14.92	
Poly Sheet	Roll	\$94.50	
Disposal Bags (75/Roll)	Roll	\$90.46	
Glove Bag - QT 10	Each	\$12.94	
Glove Bag - QT 14	Each	\$15.46	
Disposable Decon	Each	\$291.86	
1/2" Negative Air Machine Filter	Each	\$1.11	
2" Negative Air Machine Filter	Each	\$7.70	
Negative Air Machine HEPA	Each	\$156.00	
Poly Exhaust Tube -500'	Roll	\$75.50	
Reinforced Exhaust Duct	Each	\$25.67	
HEPA Vacuum Disposable Bag	Each	10.63	
HEPA Vacuum Pre-Filter	Each	\$7.09	
HEPA Vacuum HEPA Filter	Each	\$304.72	
Mechanical Insulation - Fiberglass	Manuf. List	Less 20%	List Attached
Material Not Listed	Std. Waco Warehouse P	Counter Sales Price	
All Other Costs	Invoice	Invoice + 15%	
Other Costs			
Subcontractors	Invoice	Invoice + 10%	
Equipment Rental	Invoice	Invoice + 15%	
Asbestos Permits	Virginia Fee	VA. Fee + 15%	
Asbestos Disposal	Bag	\$3.89	
Asbestos Disposal - Open Top	Dumpster	\$3,840.00	
Asbestos Disposal - Enclosed	Dumpster	\$3,900.00	
Asbestos Disposal	Trailer	\$4,300.00	



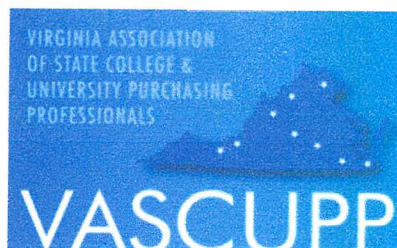
Proposal Response

RFP CMB-772

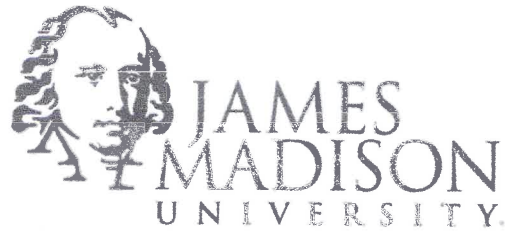
Asbestos Abatement Services

Waco Inc.
844 Cottontail Trail
Mt. Crawford, Virginia 22841

540-434-7390
www.wacoinc.net



College of William and Mary
George Mason University
James Madison University
Old Dominion University
Radford University
The University of Virginia
Virginia Commonwealth University
Virginia Military Institute
Virginia Tech



Request for Proposal

RFP CMB-772

Asbestos Abatement Services

March 4th, 2015



College of William and Mary
George Mason University
James Madison University
Old Dominion University
Radford University
The University of Virginia
Virginia Commonwealth University
Virginia Military Institute
Virginia Tech

RFP CMB-772

Asbestos Abatement Services

Tab # Description Or Purpose

1. RFP # CMB-772 Cover Sheet & Addendum Acknowledgement
 RFP Reference Section:
 Page 4 Section V. Paragraph B Item 1
2. Lakeside Abatement: Proposal, Methodology & Timeline
 RFP Reference Section:
 Page 4. Section V. Paragraph B. Item 2 and RFP Attachment D
3. Warren Campus Center Post Office Abatement: Proposal, Methodology & Timeline
 RFP Reference Section:
 Page 4. Section V. Paragraph B. Item 2 and RFP Attachment E
4. Hillside Hall Abatement: Proposal, Methodology & Timeline
 RFP Reference Section:
 Page 4. Section V. Paragraph B. Item 2 and RFP Attachment F
5. Waco Inc. Expertise, Qualifications, and Experience
 RFP Reference Section:
 Page 4. Section V. Paragraph B. Item 3
 - 5.A. Approach And Ability To Provide Excellent Customer Service
 - 5.B. Qualifications Of Waco Inc.
 - 5.C. Organizational Chart And Contract Contacts
 - 5.D. Personnel Resume
 - 5.E. Waco's Experience With Similar Services
 - 5.F. OSHA Inspections
 - 5.G. Failure To Renew
 - 5.H. Response Time - Urgent
 - 5.I. Response Time - Routine
 - 5.J. Individuals Assigned To This Project
 - a. Site Foreman
 - b. Primary Contact
6. Waco Inc. Data Sheet
 RFP Reference Section:
 Page 4. Section V. Paragraph B. Item 4 and RFP Attachment A
7. SWaM Utilization Plan
 Reference Section:
 Page 4. Section V. Paragraph B. Item 5 and RFP Attachment B
 and RFP Page 18 Attachment B (Continued)

RFP CMB-772
Asbestos Abatement Services

Tab #	Description Or Purpose
<hr/>	
8.	VASCUPP Member Sales RFP Reference Section: <u>Page 4, Section V. Paragraph B. Item 6</u>
9.	Cost Proposal And Pricing Schedule RFP Reference Section: <u>Page 4, Section V. Paragraph B. Item 7 and Page 14/15 Section X</u>
10.	Contractor Registration - Waco Inc. Licenses, Certifications, & Memberships RFP Reference Section: <u>Page 1 Section I Paragraph 2</u> General Contractor License Asbestos Abatement Contractor License Lead Abatement Contractor License Restoration, Repair & Paint (RRP) Federal License Virginia Bio Hazard Transportation Permit NADCA Qualification Membership IAQA Membership SECA Membership
11.	Insurance RFP Reference Section: <u>Page 8 Section VII Paragraph Q</u>
12.	Additional Goods And Services Offered By Waco Inc. RFP Reference Section: <u>Page 12 Section VIII Paragraph K</u>
13.	Copies of OSHA citation documentation.
14.	SDS / MSDS Product Information
15.	Waco Inc. Universal Asbestos Abatement Plan

1	RFP Signature Sheet
2	Lakeside "A" Abatement
3	Warren Campus Post Office Abatement
4	Hillside Hall Abatement
5	Expertise, Qualifications & Experience
6	Waco Inc. Data Sheet
7	SWaM Utilization
8	VASCUPP Member Sales
9	Cost Proposal
10	Waco Inc. Registration
11	Insurance
12	Additional Goods And Services
13	OSHA Citation Documentation
14	SDS / MSDS Product Information
15	Universal Asbestos Abatement Plan

1. RFP# CMB-772

Cover Sheet and Addendum Acknowledgement

1. RFP # CMB-772 Cover Sheet & Addendum Acknowledgement

RFP Reference Section:

Page 4 Section V. Paragraph B Item 1

Return RFP cover sheet and all initial addenda acknowledgments, if any as required.

REQUEST FOR PROPOSAL

RFP # CMB-772

Issue Date: March 4, 2015

Title: Asbestos Abatement Services

Issuing Agency: Commonwealth of Virginia
James Madison University
Procurement Services MSC 5720
752 Ott Street, Wine Price Bldg.
First Floor, Suite 1023
Harrisonburg, VA 22807

Period of Contract: From Date of Award Through One Year (Renewable)

Sealed Proposals Will Be Received Until 2:00 p.m. on April 14th, 2015 For Furnishing The Services Described Herein.

MANDATORY PRE-PROPOSAL: is scheduled for Thursday, March 12th at 2:00 PM. No one allowed in after 2:00 PM. Location of meeting will be held at James Madison University, Procurement Services, Wine Price Building, 752 Ott Street, Conference Room 1001, Harrisonburg, VA 22807. . The purpose of this conference is to allow potential offerors an opportunity to present questions and obtain clarification relative to any facet of this solicitation.

Due to the importance of all offerors having a clear understanding of the specifications/scope of work and requirements of this solicitation, attendance at this conference will be a prerequisite for submitting a proposal. Proposals will only be accepted from those offerors who are represented at this pre-proposal conference. Attendance at the conference will be evidenced by the representative's signature on the attendance roster. No one will be admitted after 2:00PM.

SEALED PROPOSALS MAY BE MAILED, EXPRESS MAILED, OR HAND DELIVERED DIRECTLY TO THE ISSUING AGENCY SHOWN ABOVE.

All Inquiries For Information and Clarification Should Be Directed To: Chris Beahm, VCCO, Buyer, Facilities & Construction Team, Procurement Services, beahmcm@jmu.edu 540/568-3002 (Fax) 540/568-7936 no later than.

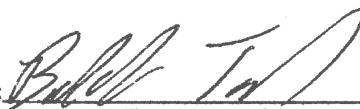
NOTE: THE SIGNED PROPOSAL AND ALL ATTACHMENTS SHALL BE RETURNED

In compliance with this Request for Proposal and to all the conditions imposed herein, the undersigned offers and agrees to furnish the goods/services in accordance with the attached signed proposal or as mutually agreed upon by subsequent negotiation.

Name and Address of Firm:

Waco Inc.
844 Cottontail Trail
Mt. Crawford, VA 22841

Date: April 1, 2015

By: 
(Signature in Ink)
Name: Bobby Taylor
(Please Print)
Title: Project Manager

Phone: 540-434-7390

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

Rev. 1/27/14 (Previous Rev 10/1/13) ABS

Web Address: www.wacoine.net

Fax #: 540-434-2553

Email: btaylor@wacoine.net

ACKNOWLEDGE RECEIPT OF ADDENDUM: #1 ^{bet}X #2 _____ #3 _____ #4 _____ #5 _____ (please initial as applicable)

SMALL, WOMAN OR MINORITY OWNED BUSINESS:

☐ YES; ☒ NO; IF YES ⇒ ⇒ ☐ SMALL; ☐ WOMAN; ☐ MINORITY IF MINORITY: ☐ AA; ☐ HA; ☐ AsA; ☐ NW

Note: This public body does not discriminate against faith-based organizations in accordance with the *Code of Virginia*, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

Rev. 1/27/14 (Previous Rev 10 / 13) ABS

that will work on JMU property. Disapproval by the University will solely apply to JMU property and should have no bearing on the Contractor's employment of an individual outside of James Madison University.

- O. **ADVERTISING** In the event a contract is awarded for supplies, equipment, or services resulting from this proposal, no indication of such sales or services to James Madison University will be used in product literature or advertising without the express written consent of the University. The contractor shall not state in any of its advertising or product literature that James Madison University has purchased or uses any of its products or services, and the contractor shall not include James Madison University in any client list in advertising and promotional materials without the express written consent of the University.
- P. **KEYS:** If the Contractor is given keys for this project, it is the Contractor's responsibility to return the keys when the contract is terminated, as well as for the safekeeping of the keys during the contract period. The Contractor shall not loan or duplicate the keys. In the event the Contractor loses the keys, they will be charged for the replacement of the keys and any locks which are rekeyed or replaced.
- Q. **WORK SITE DAMAGES:** Any damage to existing utilities, equipment or finished surfaces resulting from the performance of this contract shall be repaired to the Commonwealth's satisfaction at the contractor's expense.
- R. **SUBCONTRACTS:** No portion of the work shall be subcontracted without prior written consent of the purchasing agency. In the event that the contractor desires to subcontract some part of the work specified herein, the contractor shall furnish the purchasing agency the names, qualifications and experience of their proposed subcontractors. The contractor shall, however, remain fully liable and responsible for the work to be done by its subcontractor(s) and shall assure compliance with all requirements of the contract.
- S. **PRIME CONTRACTOR RESPONSIBILITIES:** The contractor shall be responsible for completely supervising and directing the work under this contract and all subcontractors that he may utilize, using his best skill and attention. Subcontractors who perform work under this contract shall be responsible to the prime contractor. The contractor agrees that he is as fully responsible for the acts and omissions of his subcontractors and of persons employed by them as he is for the acts and omissions of his own employees.
- T. **INSPECTION OF JOB SITE:** My signature on this solicitation constitutes certification that I have inspected the job site and am aware of the conditions under which the work must be accomplished. Claims, as a result of failure to inspect the job site, will not be considered by the Commonwealth.
- U. **INDEMNIFICATION:** Contractor agrees to indemnify, defend and hold harmless the Commonwealth of Virginia, its officers, agents, and employees from any claims, damages and actions of any kind or nature, whether at law or in equity, arising from or caused by the use of any materials, goods, or equipment of any kind or nature furnished by the contractor/any services of any kind or nature furnished by the contractor, provided that such liability is not attributable to the sole negligence of the using agency or to failure of the using agency to use the materials, goods, or equipment in the manner already and permanently described by the contractor on the materials, goods or equipment delivered.
- V. **CONTRACTOR/SUBCONTRACTOR LICENSE REQUIREMENT:** By my signature on this solicitation, I certify that this firm/individual and subcontractor is properly licensed for providing the goods/services specified.
- Contractor Name: Waco Inc. Subcontractor Name: N / A
2701007061 Class A GC
License # 3306000065 Asbestos Type GC, Asbestos, Lead
3358000002 Lead
- W. **CONTRACTOR REGISTRATION:** If a contract for construction, removal, repair or improvement of a building or other real property is for \$120,000 or more, or if the total value of all such contracts undertaken by bidder/offor within any 12-month period is \$750,000 or more, the bidder/offor is required under Title 54.1-1100, *Code of Virginia* (1950), as amended, to be licensed by the State Board of Contractors a "CLASS A CONTRACTOR." If such a contract is for \$10,000 or more but less than \$120,000, or if the total value of all such contracts undertaken by bidder/offor within any 12-month period is \$150,000 or more, but less than \$750,000 or more, the bidder is required to be licensed as a "CLASS B CONTRACTOR." If such a contract is over \$1,000 but less than \$10,000, or if the contractor does less than \$150,000 in business in a 12-month period, the bidder is required to be licensed as a "CLASS C CONTRACTOR." The board shall require a master tradesmen license as a condition of licensure for electrical, plumbing and heating, ventilation and air conditioning contractors. The bidder/offor shall place on the outside of the envelope containing the bid/

2. Lakeside Abatement

Proposal, Methodology & Timeline

2. Lakeside Abatement: Proposal, Methodology & Timeline

RFP Reference Section:

Page 4. Section V. Paragraph B. Item 2 and RFP Attachment D

Plan and methodology for providing the goods/services for the attached three (3) projects as described in Section IV “*Statement of Needs*” of this Request for Proposal



James Madison University

Asbestos-Containing Building Material

Asbestos Removal Plan

Lakeside Hall "A"

Table Of Contents

1. Project Identification
2. Description Of Work
3. Location Of Work
4. Regulations And Specifications
5. Schedule
6. Submittals
 - A. Asbestos Plan
 - B. Materials
 - C. Notifications
 - D. Laboratory
 - E. Training
 - F. Respiratory Protection Program
 - G. Negative Air Machine Filtration
 - H. Employee Medical Documentation

1. Project Identification

This project is known as Lakeside Hall, a facility located on the campus of James Madison University.

2. Description Of Work

The Lakeside Hall "A" project requires the removal and disposal of approximately 12,200 square feet of Category 1, miscellaneous non-friable asbestos-containing flooring materials from any surfaces upon which these materials may be adhered and/or present.

The project requires the thorough decontamination of the designated areas of the facility from which asbestos-containing and asbestos contaminated materials are removed.

3. Location Of Work

This project primarily will involve student bedrooms, study rooms, laundry rooms, and corridors.

4. Regulations And Specifications

All work shall be performed in accordance with applicable Federal, State and Local laws, rules and regulations. Additionally, the requirements stated in the project specifications are applicable.

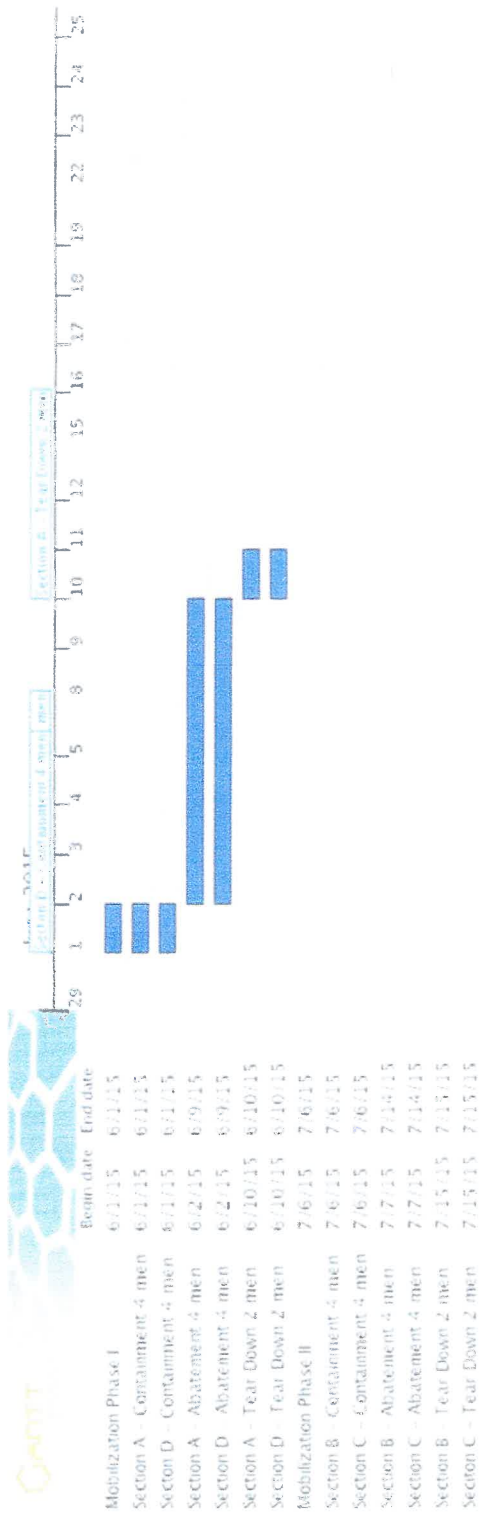
5. Schedule

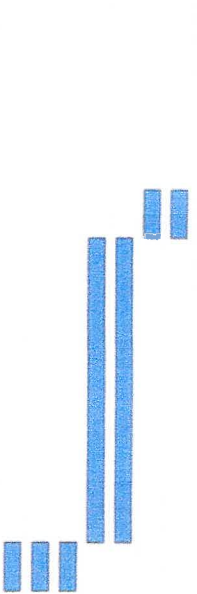
This project is scheduled to be performed during the time period provided in the specifications:

Start - 6/1/15

Completion - 7/15/15

See attached Gantt Chart for specific phasing and man power.





6. Submittals

A. Asbestos Plan

A 20 day notification will be filed to the Department of Labor and Industry as well as a 10 day notification to the Environmental Protection Agency. The Notification will start 6/1/15 and end 7/15/15.

This project will consist of the removal of approximately 12,200 sf of asbestos containing floor tile and mastic primarily located in the student bedrooms, offices, storage rooms, laundry rooms and access corridors on the first and second floors. This project will consist of 2 phases. Phase 1 will be sections A and D (6/1/15 - 6/10/15) and Phase 2 will be sections B & C (7/6/15 - 7/15/15).

Each floor of each phase will be a separate containment. Phase 1 has a total of four floors. Each floor will be its own containment. The four containments will all be worked simultaneously with separate crews of four men.

The containments will consist of a three stage personnel decontamination unit at the entrance to the work areas, critical barriers consisting of two layers of 6-mil polyethylene and polyethylene splashguards throughout the work area. Sufficient, HEPA filtrated, negative air machines will be used to maintain a .02 negative pressure containment. Negative air machines will be exhausted outside through existing windows.

All persons entering the containment areas will have all proper PPE consisting of full hooded suits, proper respirators, safety glasses and foot coverings. All persons will have up to date documentation of asbestos license, training certificate, medical documentation and respirator fit test.

Floor tile will be removed using floor tile scrappers and electric demo hammers equipped with 4" wide blades. Once the floor tile is removed, we will search for cracks and other penetrations in the concrete. All cracks and penetrations found will be sealed to prevent the leakage of mastic remover from the contained work area. The mastic will be removed with hand scrappers and buffers. We will use Grayling Control Low Odor Mastic Remover to aid in the removal.

All materials being removed will first be placed into woven bags and then into two 6 mil thick asbestos bags. The bags will be properly goose necked prior to removal from the containment areas.

Once all the floor tile and mastic has been removed, all base cove and associated adhesive will be removed. Side grinders equipped with stiff wire brush heads will be used to aid in the removal of the base cove adhesive.

After all floor tile, mastics, base coves and base cove adhesives are removed we will decontaminate the work areas by wet wiping and HEPA vacuuming all surfaces.

All flooring in which mastic was removed will be thoroughly mopped with Mr. Clean cleaning agent.

The containment areas will be torn down after notification of passed final air sampling.

B. Materials

6 mil Polyethylene Sheeting
Duct Tape
Blue "No Mar" Tape
Poly Pro Suits
Nexgen Suits (Poly Coated)
Safety Glasses
Grayling Control Low Odor Mastic Remover
Rags
Mr. Clean Cleaning Agent
Woven Bags
6 mil Asbestos Disposal Bags
Asbestos Warning Signs
Poly Exhaust Tubing
20" Buffer Pads
Rubber Gloves
Leather Palm Gloves
Rubber Boots
Wetting Agent
Encapsulant MEI 44-15
North P100 Respirator Filter Cartridges
Disposable Decontamination Units
Spray Adhesive

MSDS / SDS IMMEDIATELY FOLLOW



Material Safety Data Sheet

Creation Date 22-Nov-2010

Revision Date 29-Mar-2013

Revision Number 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Triton® X-100	
Cat No.	AC215680000; AC215680010; AC215680025; AC215680050; AC215682500	
Synonyms	Polyoxyethylene octylphenyl ether	
Recommended Use	Laboratory chemicals	
Company Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100	Entity / Business Name Acros Organics One Reagent Lane Fair Lawn, NJ 07410	Emergency Telephone Number For information in the US, call: 001-800- ACROS-01 For information in Europe, call: +32 14 57 52 11 Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 001-201-796-7100 CHEMTREC Phone Number, US: 001-800- 424-9300 CHEMTREC Phone Number, Europe: 001- 703-527-3887

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Harmful if swallowed. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Appearance Clear

Physical State Liquid

Odor No information available

Target Organs

Eyes

Potential Health Effects

Acute Effects

Principle Routes of Exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity	1.067
Solubility	No information available.
log Pow	No data available
Molecular Weight	646.85
Molecular Formula	C34 H62 O11

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Excess heat. Exposure to air. Exposure to light. Exposure to moist air or water.
Incompatible Materials	Strong oxidizing agents, Strong acids, Strong reducing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Component Information**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly(oxy-1,2-ethanediyl), alpha-[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	1800 mg/kg (Rat)	Not listed	Not listed

Irritation	Severe eye irritant
Toxicologically Synergistic Products	No information available.
Chronic Toxicity	
Carcinogenicity	There are no known carcinogenic chemicals in this product
Sensitization	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	Experiments have shown reproductive toxicity effects on laboratory animals.
Developmental Effects	Developmental effects have occurred in experimental animals.
Teratogenicity	No information available.
Other Adverse Effects	The toxicological properties have not been fully investigated.. See actual entry in RTECS for complete information.
Endocrine Disruptor Information	

Component	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Group III Chemical	Not applicable	Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Not listed	LC50 = 8.9 mg/L 96H	Not listed	EC50 = 26 mg/L 48h

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	XU	X	-	-	-		X	X	X	X	X

Legend:
X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA inventory Data Base Production and Site Reports (40 CFR 710(B)).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Not applicable

Clean Air Act

Not applicable

OSHA

Not applicable

CERCLA

Not Applicable

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1B Toxic materials

D2B Toxic materials

**16. OTHER INFORMATION**

Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com
Creation Date	22-Nov-2010
Print Date	29-Mar-2013
Revision Summary	(M)SDS sections updated 14

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS #: RQ1007735r1
Supersedes: RQ1007735

Issue Date: 05/2012

SECTION I - PRODUCT IDENTIFICATION

Identity: Multi-Purpose Cleaner **Finished Product**
Brands: Mr. Clean with Febreze Freshness Multi-Surface Liquid Cleaner (Meadows & Rain, Lavender Vanilla & Comfort, Hawaiian Aloha, New Zealand Springs)
Mr. Clean with Gain Scent Multi-Surface Liquid Cleaner (Original Fresh scent, Apple Berry Twist Scent, Lavender Scent)
P&G Telephone Number: 1-800-742-9220 or call Local Poison Control Center or your physician.
Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300 U.S. and Canada,
or 1-703-527-3887 - for calls originating elsewhere.

SECTION II - HAZARDS IDENTIFICATION

Potential Health Hazards:

Routes of exposure: Ingestion. Inhalation. Skin contact. Eye contact.

Ingestion: May be harmful if swallowed.

Eye Contact: Mild eye irritant.

Skin Contact: Mild skin irritant.

Inhalation: N/A

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in transient system effects (ataxia and muscle weakness) and/or gastrointestinal irritation with nausea, vomiting or diarrhea. This product contains alcohol ethoxylates. Large ingestions (>2 ml/kg) may also cause symptoms of alcohol-like intoxication, lack of coordination, drowsiness, inarticulateness or ataxia. Alcohol ethoxylates may contribute to central nervous system symptoms. Possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, lack of coordination and headache.

Eye Contact: Instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soaps and detergents.

Skin Contact: Use on irritated or extremely dry skin may aggravate the existing condition.

Inhalation: N/A

Medical Conditions Generally Known to be Aggravated by Exposure: N/A

Potential Environmental Effects: See Section 12 for more information.

SECTION III - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Alcohol ethoxylates		68439-46-3	1-5%	LD50 (rat, oral) = 200-2000 mg/kg

SECTION IV - FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Drink 1-2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates). Do not induce vomiting unless they tell you to do so.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice if irritation persists.

Skin: Thoroughly wash exposed area with soap and water and discontinue use. Remove contaminated clothing. If irritation persists, call a physician.

Inhalation: Remove to fresh air.

Note to Physician: (if applicable): N/A

Other: Consumer product package has the following precautionary statement: **CAUTION: EYE IRRITANT.**

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. If in eyes, hold eyes open and rinse gently with water for 15-20 minutes. If wearing contacts, remove lenses after first 5 minutes and continue rinsing. If irritation persists, call a physician. If swallowed, drink 1-2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates) — do not induce vomiting unless they tell you to do so. Have the product container or label with you when calling or going for treatment.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >200°F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup).

Flammable Properties:

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

Explosive Limits: UEL: N/A LEL: N/A

Auto-Ignition Temperature: N/A

Hazardous Combustion Products: None known.

Explosion Data (Sensitivity to Mechanical Impact): N/A

Explosion Data (Sensitivity to Static Discharge): N/A

Extinguishing Media:

Suitable: CO2, water, dry chemical or "alcohol" foam. Use water to keep fire-exposed container cool.

Unsuitable: N/A

Protection of Firefighters:

Specific Hazards Arising from the Material: None

Protective Equipment and Precautions for Firefighters: No unusual precautions necessary.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section VIII below.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Do not landfill. Small (household) quantities may be disposed of via sewer with large quantities of water. Incineration is preferred where permitted.

Methods for Containment: Prevent spills from reaching a waterway.

Methods for Cleanup: Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbent material.

Other Information: (if applicable) N/A

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling: Handle in a well ventilated, cool and dry area.

Precautions To Be Taken in Storage: Storage must be in a well ventilated, cool and dry area.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: N/A

Engineering Controls:

Ventilation Mechanical (General): Normal/general dilution ventilation is acceptable.

Personal Protective Equipment (PPE):

Eye/Face Protection: None required with normal consumer use. *Occupational Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.

Skin Protection: None required with normal consumer use. *Occupational Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact. **Respiratory Protection:** None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape):

Colored liquids (blue, red, pinkish/purple and orange). Packaged in a pourable plastic bottle.

Odor: Products are perfumed.

Odor Threshold: N/A

Physical State: Liquid.

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Boiling Point: N/A

Partition Coefficient (n-octanol/water): N/A

Volatile Organic Compound (VOC): Products comply with US State and Federal regulations for VOC content.

Flash Point (Method Used): >200°F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup.)

Reserve Alkalinity: N/A

Solubility in Water: Completely

Decomposition Temperature: N/A

Evaporation Rate (nBuOAc=1): Unknown

Specific Gravity/Density: 1.019 g/cm3

Melting/Freezing Point: N/A

pH (neat): 9.5

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: None known.

SECTION XI - TOXICOLOGICAL INFORMATION

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: This finished consumer product is not carcinogenic.

NTP: No

IARC: No

All product ingredients were checked for NTP and IARC carcinogen listings relevant to this product formulation.

SECTION XII - ECOLOGICAL INFORMATION

Environmental effects: No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with federal, state/provincial and local regulations.

Non-Household Setting (US Federal): Products covered by this MSDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261).

California Hazardous Waste: Yes

Household Use: Consumers may dispose of small (household) quantities down the drain with large quantities of water. Discard empty container in trash or rinse and recycle container where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (US DOT): Not regulated.

Air Transport (IATA): Not regulated.

Marine/Water Transport (IMDG): Not regulated.

SECTION XV - REGULATORY INFORMATION**United States**

All intentionally-added components of these products are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: None.

California: These products have been evaluated and do not require warning labeling under California Proposition 65.

California Registration Number: N/A

State Right-to-Know and CERCLA:

The following ingredients present in the finished products at >1% (or 0.1% for carcinogens) are listed on state right-to-know lists or state worker exposure lists:

Ingredient	CAS#	CERCLA RQ	Max Level	State				
				IL	MA	NJ	PA	RI

Canada

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

P&G Hazard Ratings:	Health: 1	4 = EXTREME
	Flammability: 0	3 = HIGH
	Physical hazard: 0	2 = MODERATE
		1 = SLIGHT
		0 = NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

Material Safety Data Sheet

GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Product Use Description: Home Care Product

Company: HomeCare Labs, Inc.
P.O. Box 491150
Lawrenceville, GA
30049-1002

Telephone: (800) 949-7946

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300, 703-527-3887
Poison Control Center (Medical) :: (877) 800-5553

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
(US) +1 866-430-2775

12/20/2011

MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Danger

Form: liquid Colour: clear Odour: Clean, fresh fragrance

Hazard Summary: Eye burns may occur.
Causes eye irritation.
Harmful if swallowed.
Harmful by inhalation.
Causes skin irritation.

OSHA Hazards: IRRITANT

Potential Health Effects

Primary Routes of Entry: Eye contact
Inhalation
Ingestion
Skin contact

Inhalation: Harmful if inhaled.

SAP 6.0

1 / 10

SDS Number: 00000009696

Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Causes respiratory tract irritation.

Skin : Causes skin irritation.

Eyes : Eye burns may occur.
Causes eye irritation.

Ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Chronic Exposure : None known.

Carcinogenicity:

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
(2-methoxymethylethoxy)propanol 34590-94-8	< 5 %

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention.
Call a physician or poison control centre immediately.

Skin contact : Rinse immediately with plenty of water for at least 15 minutes.
Get medical attention if irritation develops and persists.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
Call a physician or poison control centre immediately.

Ingestion : If swallowed, DO NOT induce vomiting.
Drink 1 or 2 glasses of water.
Call a physician or poison control centre immediately.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

SAP 6.0

2 / 10

SDS Number: 000000009696

Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Flash point : 200 °F (93 °C)

Fire fighting

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : There are no unusual fire and explosion hazards known.

Protective equipment and precautions for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.
 Clean-up methods - small spillage
 Flush with plenty of water.
 Clean-up methods - large spillage
 Soak up with inert absorbent material.
 Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Handling

Handling procedures : Avoid contact with mucous membranes.
 Avoid contact with skin, eyes and clothing.
 Mix only with water.
 Do not mix with other chemicals.
 Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.
 Do not handle until all safety precautions have been read and understood.

Storage

Requirements for storage areas and containers : Store in original container.
 Store in a cool, dry, well ventilated area away from heat or open flame.
 Keep out of reach of children.
 Keep away from animals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No	Value / Basis /	Control	Further information
SAP 6.0	3 / 10		SDS Number: 000000009696

Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

(2-methoxymethylethoxy)propanol 34590-94-8	Update	parameters	
	TWA	100 ppm	
	ACGIH 2007-01-01		
	STEL	150 ppm	
	ACGIH		
	2007-01-01		
	TWA	100 ppm 600 mg/m3	
	OSHA P1		
	1997-08-04		
	TWA	100 ppm 600 mg/m3	
	OSHA P0		
	1989-01-19		
	STEL	150 ppm 900 mg/m3	
	OSHA P0		
	1989-01-19		
2,2'-iminodiethanol 111-42-2	TWA	3 ppm 15 mg/m3	
	OSHA P0		
	1989-01-19		
	TWA	1 mg/m3	
	ACGIH		
	2009-01-01		

Engineering measures

Engineering measures : Use with adequate ventilation.
 Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
 Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : Wear rubber gloves.

Respiratory protection : No personal respiratory protective equipment normally required.
 If product is used in an area with poor ventilation and mist or vapor is expected, a respirator that meets OSHA/ANSI standards may be required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
 Remove and wash contaminated clothing before re-use.
 Wash thoroughly after handling.

SAP 6.0

4 / 10

SDS Number: 00000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : clear
Odour : Clean, fresh fragrance

Safety data

Flash point : 200 °F (93 °C)
pH : 12.8
Freezing point : Note: Not Available
Boiling point/boiling range : 213.1 °F (100.6 °C)
Vapour pressure : Note: Not Available
Density : 0.995 - 1.015 g/cm3
Water solubility : 100 g/l
Relative vapour density : Note: Heavier than air
Evaporation rate : Note: Equal to water

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: High temperatures.
Poor ventilation.
Contamination
Materials to avoid : Remarks: Ammonia
Chlorine bleach
Oxidizing agents
Other chemicals
Hazardous decomposition products : Note: Carbon oxides
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
(2-methoxymethylethoxy)propanol : LD50: > 2,000 mg/kg
Species: rat

SAP 6.0

5 / 10

SDS Number: 00000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Acute inhalation toxicity (2-methoxymethylethoxy)propa nol	: LC50: Exposure time: 7 h Species: rat
Acute dermal toxicity (2-methoxymethylethoxy)propa nol	: LD50: > 2,000 mg/kg Species: rabbit
Skin irritation	: Remarks: May cause skin irritation.
Eye irritation	: Remarks: Irritating to eyes. Eye burns may occur.
Sensitisation (2-methoxymethylethoxy)propa nol	: Species: Human Classification: Did not cause sensitization on laboratory animals.
Teratogenicity (2-methoxymethylethoxy)propa nol	: Species: rat Application Route: Inhalation
CMR effects (2-methoxymethylethoxy)propa nol	: Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: No effects on or via lactation Reproductive toxicity: No toxicity to reproduction

12. ECOLOGICAL INFORMATION

Toxicity to fish (2-methoxymethylethoxy)propa nol	: LC50: > 5,000 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) static test
Toxicity to daphnia and other aquatic invertebrates (2-methoxymethylethoxy)propa nol	: LC50: 1,919 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test
Toxicity to algae (2-methoxymethylethoxy)propa nol	: EC50: > 969 mg/l Exposure time: 72 h Species: Algae Growth inhibition
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) (2-methoxymethylethoxy)propa	: NOEC: 0.5 mg/l Exposure time: 22 d

SAP 6.0

6 / 10

SDS Number: 00000009696

Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

no! Survival and growth
 Species: Daphnia magna (Water flea)
 flow-through test

Bioaccumulation
 (2-methoxymethylethoxy)propa
 no! : Bioconcentration factor (BCF): < 1

Biodegradability
 (2-methoxymethylethoxy)propa
 no! : aerobic
 Result: Readily biodegradable.
 79 %

Further information on ecology

Additional ecological
 information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of waste material in compliance with all federal, state, and
 local regulations.
 Contaminated packaging : Recycle or dispose of container in trash.
 Do not re-use empty containers.
 Rinse thoroughly before discarding in trash.
 Offer rinsed packaging material to local recycling facilities.

SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

IATA

UN number : 3267
 Description of the goods : Corrosive liquid, basic, organic, n.o.s.
 (CONTAINS SODIUM HYDROXIDE)
 Class : 8
 Packing group : III
 Labels : 8
 Environmentally hazardous : no

IMDG

UN number : 3267
 Description of the goods : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
 (CONTAINS SODIUM HYDROXIDE)
 Class : 8
 Packing group : III
 EmS Number 1 : F-A
 EmS Number 2 : S-B

Marine pollutant : no
 Environmentally hazardous : no

SAP 6.0

7 / 10

SDS Number: 0000000096%

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Not recommended for shipment by air
Limited Quantity exemption possible

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Irritant
SARA 302 Reportable Quantity :
SARA 311/312 Hazards : Acute Health Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable Quantity :
SARA 304 Components : This material does not contain any components with a section 304 EHS RQ.

Massachusetts Right To Know Components : (2-methoxymethylethoxy)propanol 34590-94-8 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z. ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.
dodecylbenzenesulphonic acid 27176-87-0 CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

Pennsylvania Right To Know Components : water 7732-18-5
(2-methoxymethylethoxy)propanol 34590-94-8 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z. ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.
dodecylbenzenesulphonic acid 27176-87-0 CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

SAP 6.0

8 / 10

SES Number: 000000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

sodium hydroxide 1310-73-2 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z.
ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances
NFPA49 national fire protection association 'hazardous chemicals data' substances (NFPA 49).
CERCLA hazardous substances, 40 cfr part 302. May be subject to emergency release notification under SARA Title III.
Toxic chemical release substances, 52 fr 21152 (6/4/87).
Subject to SARA Title III.

2,2'-iminodiethanol 111-42-2 ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances
Toxic chemical release substances, 52 fr 21152 (6/4/87).
Subject to SARA Title III.

New Jersey Right To Know Components

: water 7732-18-5

(2-methoxymethylethoxy)propanol 34590-94-8 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z.
ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances
CERCLA hazardous substances, 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

dodecylbenzenesulphonic acid 27176-87-0 CERCLA hazardous substances, 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

California Prop. 65 Components

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

HMS Classification

: Health hazard: 3
Flammability: 1
Physical hazards: 0

SAP 6.0

9 / 10

SDS Number: 000000000006

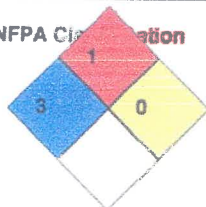
Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

NFPA Classification



Health hazard: 3
 Fire Hazard: 1
 Reactivity Hazard: 0

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



SAFETY DATA SHEET

Issue Date 27-Apr-2006

Revision Date 31-May-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Control Low Odor Mastic Remover

Other Means of Identification

SDS # GI-006

UN/ID No NA1993
Product Code 19105

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Mastic remover.

Details of the Supplier of the Safety Data Sheet

Supplier Address
Grayling Industries, Inc.
1008 Branch Drive
Alpharetta, GA 30004

Emergency Telephone Number

Company Phone Number 1-800-635-1551
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Inhalation (Vapors)	Category 3
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 4

Signal Word

DANGER

Hazard Statements

Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
May be fatal if swallowed and enters airways
Combustible liquid

**Appearance** Water white liquid**Physical State** Liquid**Odor** Aromatic**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep cool

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed
May be harmful in contact with skin

Other Hazards

Toxic to aquatic life with long lasting effects
Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Aliphatic Hydrocarbon Solvent	64742-88-7	Proprietary
2-Butoxyethanol	111-76-2	Proprietary
Naphtha (petroleum), heavy aromatic	64742-94-5	Proprietary
Ethoxylated Nonylphenol	9016-45-9	Proprietary

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First Aid Measures**

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
Skin Contact	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.
Inhalation	After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Have patient lie down and keep warm. Call a physician or poison control center immediately.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Skin contact can lead to drying, defatting, itching, stinging and irritation. May cause severe irritation with redness, pain, and blurred vision. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause nausea, vomiting, stomach ache, and diarrhea.
----------	--

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
--------------------	------------------------

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use fire extinguishers with class B extinguishing agents. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media Water spray may be ineffective. If water is used, fog nozzles are preferable.

Specific Hazards Arising from the Chemical

Cool surrounding equipment, fire-exposed containers, and structures with water.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions	Use personal protective equipment as required.
Other Information	Keep unnecessary and unprotected personnel from entering.
Environmental Precautions	See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment	Stop the flow of material, if this is without risk. Dike and contain spill.
Methods for Cleaning Up	Absorb spillage with non-combustible, absorbent material. Mop up and dispose of spilled material.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Avoid breathing vapors or mists. Use only with adequate ventilation. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash face, hands, and any exposed skin thoroughly after handling. Do not get in eyes, on skin, or on clothing. Avoid free fall of liquid. Ground/bond container and receiving equipment. Do not flame, cut, braze weld or melt empty containers. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store large amounts in structures made for OSHA Class IIIA liquids. Keep containers closed when not in use and upright to prevent leakage. Store locked up.

Incompatible Materials

Strong oxidizing agents. Permanganates. Chromates. Peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

Appropriate Engineering Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Wear approved safety goggles.

Skin and Body Protection

Use impervious gloves. An apron or other impermeable body protection is suggested. Wear suitable protective clothing and footwear appropriate for the risk of exposure.

Respiratory Protection

Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2).

General Hygiene Considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State
Appearance
Color

Liquid
Water white liquid
Water white

Odor
Odor Threshold

Aromatic
Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	174-196 °C / 346-385 °F	
Flash Point	60 °C / 141 °F	Tag Closed Cup Lowest Component
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	0.9%	
Vapor Pressure	0.5 mm Hg	@20°C
Vapor Density	5.0	(Air=1)
Relative Density (Specific Gravity)	0.807	(1=Water) @ 68°F (20°C)
Water Solubility	Appreciable	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	260 °C / 500 °F	Lowest Component
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Additional Information	Refractive Index: 1.438	
	Mixed Aniline Point (Acid Insol): 63°C/147°F	
VOC Content (%)	99%	
VOC Content	796.1 g/L	
Density	6.719 lbs/gal	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

Strong oxidizing agents. Permanganates. Chromates. Peroxides.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Inhalation	Toxic if inhaled.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aliphatic Hydrocarbon Solvent 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h
Ethoxylated Nonylphenol 9016-45-9	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity	Not classifiable as a human carcinogen.
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Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Aspiration Hazard May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aliphatic Hydrocarbon Solvent 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static		100: 48 h Daphnia magna mg/L EC50
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50		0.95: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
2-Butoxyethanol 111-76-2	0.81
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

DOT

UN/ID No	NA1993
Proper Shipping Name	Combustible liquid, n.o.s. (Petroleum distillates)
Hazard Class	Comb Liq
Packing Group	III

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Listed
DSL	Listed
EINECS	Listed
ENCS	Listed
KECL	Listed
AICS	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECS - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	Proprietary	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Aliphatic Hydrocarbon Solvent 64742-88-7	X		
2-Butoxyethanol 111-76-2	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	2	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	3	2	0	Not determined

Issue Date 27-Apr-2006
Revision Date 31-May-2013
Revision Note New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

C. Notifications

A 20 day notification will be filed with the Department of Labor & Industry

A 10 day notification will be filed with the Environmental Protection Agency

See attached copy of the permit application that will be filed.

☐ EMERGENCY WAIVER REQUEST

Approved by: _____

Date: _____



DLI PERMIT NUMBER:
(If amended, indicate the original permit number)

PERMIT APPLICATION AND NOTIFICATION FOR ASBESTOS REMOVAL AND DEMOLITION

Section 1 - Type of Notification (Check the box that indicates the type of notice you are submitting)			
<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Amendment/Revision	<input type="checkbox"/> Cancellation	<input type="checkbox"/> Blanket
<input type="checkbox"/> Phased			
Section 2 - Type of Operation (Check the box that indicates the type operation you will be performing)			
<input checked="" type="checkbox"/> Asbestos Removal	<input type="checkbox"/> Emergency Asbestos Removal	<input type="checkbox"/> Asbestos Removal & Demolition	<input type="checkbox"/> Demolition
<input type="checkbox"/> Encapsulation			
Section 3 - Facility Owner Information			
Name: James Madison University			
Address: 181 Patterson Street			
City: Harrisonburg	State: Virginia	Zip: 22807	
Contact: Frank Viscomi	Telephone #: 540-574-4076		
Section 4 - Asbestos Removal Contractor Information (complete ALL of Section 4, if this is a Removal/Abatement Operation)			
Name: Waco Inc. - Mt. Crawford		License #: 3306 000065	
Federal Employer ID #: [REDACTED]			
Address: 844 Cottontail Trail			
City: Mt. Crawford	State: Virginia	Zip: 22841	
Contact: Larry Battalla	Telephone #: 540-434-7390		
Section 5 - Demolition Contractor Information (complete ALL of Section 5, if this is a Demolition Operation)			
Name: N/A			
Address: _____			
City: _____	State: _____	Zip: _____	
Contact: _____	Telephone #: _____		
Section 6 - Facility Information			
Building Name: Lakeside Building A			
Address: 1201 Greek Row			
City: Harrisonburg	State: VA	Zip: 22807	
Site Location (crawlspace, rooms, etc): Throughout	Building Size: 12,200	# of Floors: 2	Age in Years: 37
Present Use:		Prior Use:	
<input type="checkbox"/> Bridge	<input type="checkbox"/> Military/Federal	<input checked="" type="checkbox"/> School/College	<input type="checkbox"/> Bridge
<input type="checkbox"/> Commercial	<input type="checkbox"/> Office	<input type="checkbox"/> Ship/Maritime	<input type="checkbox"/> Commercial
<input type="checkbox"/> Church/Place of Worship	<input type="checkbox"/> Public Building	<input type="checkbox"/> Vacant	<input type="checkbox"/> Church/Place of Worship
<input type="checkbox"/> Industrial/Manufacturing	<input type="checkbox"/> Residential	<input type="checkbox"/> Other	<input type="checkbox"/> Industrial/Manufacturing
<input type="checkbox"/> Other		<input type="checkbox"/> Other	
Section 7 - Work Schedules			
Check if this section is being revised from a previous submittal <input type="checkbox"/>			
Removal/Abatement (Submit notification 20 calendar days prior to start)		Days of Operation: <input type="checkbox"/> Mon.-Fri. <input type="checkbox"/> Sat.-Sun.	
Start: 6/1/15	Finish: 7/15/15	Other: <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tues <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat <input type="checkbox"/> Sun	
Demolition (Submit notification 10 working days prior to start)		Hours of Operation: 7:00 - 5:30	
Start: N/A	Finish: _____	Comments: offsite 6/11/15 through 7/5/15	

IS ASBESTOS PRESENT? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> To be removed prior to demolition					
Section 8 - ACM To Be Removed			Check if this section is being revised from a previous submittal <input type="checkbox"/>		
Indicate the amount of ACM (Asbestos Containing Material) to be removed, encapsulated, enclosed, etc.			Indicate the amount and type (floor tile, roofing, etc.) of non-friable Category I and/or Category II ACM that will not be removed prior to demolition. (Indicate whether in ft., sq. ft., or cu. ft.)		
Description	Amount		Description	Amount	Units
Pipe (linear feet)	0	Linear Feet			
Surface Area (square feet)	12,200	Square Feet	Category I	N/A	
Facility Component (cubic feet)	0	Cubic Feet	Category II	N/A	
Section 9 - Work Procedures			Check if this section is being revised from a previous submittal <input type="checkbox"/>		
Procedure, including analytical method, if appropriate, used to detect the presence of asbestos: <input checked="" type="checkbox"/> PLM <input type="checkbox"/> TEM <input type="checkbox"/> Presumed ACM					
Inspector: Reggie Simmons License #: 3303 000098					
Asbestos Removal or Demolition Work Practices to be Used (Check all that apply)					
Asbestos Removal			Demolition		
<input checked="" type="checkbox"/> Containment <input checked="" type="checkbox"/> Wet Methods <input checked="" type="checkbox"/> Negative Pressure <input type="checkbox"/> Glove Bag <input type="checkbox"/> Other - Description of work practices and engineering controls to be used to prevent emissions of asbestos if procedures other than approved methods will be used:			<input type="checkbox"/> Remove Intact <input type="checkbox"/> Rotating Blade Roof Cutter <input checked="" type="checkbox"/> Mechanical Chipping <input type="checkbox"/> Component Removal <input type="checkbox"/> Bulldozer/Loader <input type="checkbox"/> Hand/Manual Methods <input type="checkbox"/> Live Burn Training <input type="checkbox"/> Other		
Description of procedures to be followed in the event that unexpected asbestos is found on previously nonfriable asbestos material becomes crumbled, pulverized, or reduced to powder:					
Asbestos will be controlled and DLI will be notified as required.					
Section 10 - Emergency Waiver Request					
Check the Emergency Waiver Request box on page 1 and attach a letter from the facility owner explaining the nature of the emergency.					
Date and Hour of Emergency: N/A Time:					
Description of Sudden, Unexpected event:					
Explanation of how the event caused unsafe conditions or would cause equipment damage:					
Section 11 - Demolition Ordered by A Government Agency					
Name: N/A			Title:		
Authority:					
Date Ordered:			Date Demolition Ordered to Begin:		
Section 12 - Transporters and Waste Disposal Site					
Check if this section is being revised from a previous submittal <input type="checkbox"/>					
Transporter #1: Waco Inc.					
Address: 844 Cottontail Trail					
City: Mt. Crawford		State: Virginia		Zip: 22841	
Contact: Bobby Taylor			Telephone: 540-434-7390		
Transporter #2: Ham Landfill					
Address: 519 Roy Martin Rd					
City: Peterstown		State: WV		Zip: 24963	
Contact: David Humphrey			Telephone: 304-753-9470		
Waste Disposal Site: Ham Sanitary Landfill					
Address: 519 Roy Martin Rd					
City: Peterstown		State: W. VA		Zip: 24963	
Contact: David Humphrey			Telephone: 304-753-9470		Landfill permit#: SWF-2032

Section 13 - Fees			
<p>The asbestos project permit fee, when applicable, MUST be submitted with the completed project notification form. The fee shall be in accordance with the following schedule unless a blanket notification (as described below) is granted. If the amount of the asbestos is reported in both linear feet and square feet the amounts will be added and treated as if the total were all in square feet.</p> <p>The asbestos project permit fee may be paid by check, money order, or credit card (VISA and MASTERCARD only). Make checks payable to the TREASURER OF VIRGINIA. If payment is made by credit card, complete the Credit Card Authorization Form and submit with the application.</p>			
<p><input type="checkbox"/> \$50 - 10 linear feet or 10 square feet up to and including 160 linear feet or 160 square feet</p> <p><input type="checkbox"/> \$160 - 161 linear feet or 161 square feet up to and including 1600 linear feet 1600 square feet</p> <p><input checked="" type="checkbox"/> \$470 - 1601 linear feet or 1601 square feet or more.</p> <p><input type="checkbox"/> \$15 - amended notification</p> <p><input type="checkbox"/> Blanket notification - 0.5% of the contract price or \$470 whichever is greater. A blanket notification, valid for a period of one year, may be granted to a contractor who enters into a contract for asbestos removal or encapsulation on a specific site which is expected to last one year. Include a copy of the contract with the notification. Contract price \$ _____ X 0.005 (5%) = \$ _____ X 0.005 = \$ _____</p> <p><input type="checkbox"/> \$0 - Residential buildings with four or fewer units and are currently in use or intended for use only for residential purposes are exempt from asbestos project permit fees.</p> <p><input type="checkbox"/> \$0 - An asbestos project permit fee is not required for asbestos removal at Federal Government properties, military installations, ships, maritime and demolition operations.</p>			
<p>Enter the total fee due for the project: 470</p>			
<p>Section 14 - Certification Check if this section is being revised from a previous submittal: <input type="checkbox"/></p> <p>I certify that an individual trained in the provisions of the NESHAP regulations will be on-site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available at the project site for inspection. (40 CFR Part 61, Subpart M, required after November 20, 1993)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Supervisor: TBD</p> <p>Project Monitor: Reggie Simmons</p> <p>Project Designer:</p> <p>Laboratory: Ameri Sci</p> </td> <td style="width: 50%; vertical-align: top;"> <p>License #:</p> <p>License #: 3309 000028</p> <p>License #:</p> <p>License #: 3333 000266</p> </td> </tr> </table>		<p>Supervisor: TBD</p> <p>Project Monitor: Reggie Simmons</p> <p>Project Designer:</p> <p>Laboratory: Ameri Sci</p>	<p>License #:</p> <p>License #: 3309 000028</p> <p>License #:</p> <p>License #: 3333 000266</p>
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<p>I certify that the information submitted is accurate to the best of my knowledge and that accredited persons are being used on this project.</p> <p>Name: Bobby Taylor Title: Senior Project Manager</p> <p>Signature: _____ Date: _____</p> <p style="text-align: center; font-size: small;">Please make sure that all required fields have been completed. Incomplete notifications will not be processed.</p>			
<p>Section 15-Submission Address notifications as described below:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; border-right: 1px solid black; padding-right: 10px;"> <p>Original notifications must be sent by FAX, certified mail, or hand delivered to the department at the address below.</p> <p>DEPARTMENT OF LABOR AND INDUSTRY Attention: Accounting/Finance Main Street Centre 600 East Main Street, Suite 207 RICHMOND, VA 23219 FAX (804) 371-7634</p> </td> <td style="width: 50%; vertical-align: top; padding-left: 10px;"> <p>The US EPA must also be notified for demolition operations and renovation operations when the amount of RACM disturbed is at least 160 sq. ft./260 lin. ft./35 cu. ft. This form may be used to fulfill this requirement. Notifications required by the US EPA must be <u>mailed</u> to the address below:</p> <p>ASBESTOS COORDINATOR USEPA REGION III MAIL CODE 3LC62 1650 ARCH STREET PHILADELPHIA, PA 19103-2029</p> </td> </tr> </table>		<p>Original notifications must be sent by FAX, certified mail, or hand delivered to the department at the address below.</p> <p>DEPARTMENT OF LABOR AND INDUSTRY Attention: Accounting/Finance Main Street Centre 600 East Main Street, Suite 207 RICHMOND, VA 23219 FAX (804) 371-7634</p>	<p>The US EPA must also be notified for demolition operations and renovation operations when the amount of RACM disturbed is at least 160 sq. ft./260 lin. ft./35 cu. ft. This form may be used to fulfill this requirement. Notifications required by the US EPA must be <u>mailed</u> to the address below:</p> <p>ASBESTOS COORDINATOR USEPA REGION III MAIL CODE 3LC62 1650 ARCH STREET PHILADELPHIA, PA 19103-2029</p>
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<p>For additional information concerning the completion of this form, please contact the Virginia Department of Labor and Industry Lead and Asbestos Program at (804) 736-9665 or visit our web site at http://www.dol.virginia.gov/leadasbestos/leadasbestos_intro.html</p>			

D. Laboratory

American Science Bio-Chem, Inc.
13635 Genito Rd
Midlothian, VA 23112

Phone: 866-713-4485
Fax: 804-763-0493

www.amerisci.com
License # 3333 000266

E. Training

1. Scott Harper

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

2. Adam Myers

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

3. Michael Norton

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

4. Hector Pacheco

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

List of workers may be changed or added. Revised list and proper documentation will be supplied prior to the start of the project.

DPOR License Lookup License Number 3302006436

License Details

Name	HARPER, SCOTT
License Number	3302006436
License Description	Asbestos Supervisor License
Rank	Asbestos Supervisor
Address	GOSHEN, VA 24439-0000
Initial Certification Date	1997-11-25
Expiration Date	2015-05-31

The data located on this website are not the public records of the Department of Professional and Occupational Regulation (DPOR). All public records are physically located at DPOR's Public Records Section: 9960 Mayland Drive, Suite 400, Richmond, VA 23233. While DPOR works to ensure the accuracy of the data provided online, the data available on these pages are updated routinely but may not be up to date at all times (due to document processing delays, technical maintenance, etc.).

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The license information in this application was last updated at Wed Apr 08 02:50:18 EDT.

The disciplinary action information in this application was last updated at Wed Apr 08 02:50:18 EDT.

DPOR License Lookup build 1,013 (built 2015-04-08 11:12:54).

The EI Group, Inc.

This certifies that

Scott Harper

Student Address: 215 Big River Road, Goshen, VA 24439

Has attended and satisfactorily passed an examination covering
the contents of an EPA/AHERA approved course entitled

Asbestos Supervisor Refresher (8-Hour) Training Course

7314050003

Certificate Number

Social Security Number

May 9, 2014

Course Dates

May 9, 2014

Exam Date

May 9, 2015

Expiration Date



4186 Innslake Drive
Glen Allen, Virginia 23060
(804) 320-9300

EPA Approved Under
TSCA Title II

Mount Crawford, V.A.

Location

Darryl A. Maxwell
Darryl Maxwell, Training Manager

Melissa S. Hart
Melissa Hart, Primary Instructor

Melissa S. Hart
Melissa Hart, Exam Administrator



RESPIRATOR FIT TESTS
&
ASSIGNMENT FORM

I, Scott Harper, CERTIFY THAT I HAVE BEEN ADMINISTERED A FIT TEST WITH THE FOLLOWING RESPIRATORS:

North BRAND STYLE: FULL FACED HALF FACED 8/25/14 DATE

BRAND STYLE: FULL FACED HALF FACED DATE

BRAND STYLE: FULL FACED HALF FACED DATE

SIGNATURE

SS#

SIGNATURE OF PERSON GIVING TEST

DATE

RAINBOW PASSAGE

WHEN THE SUNLIGHT STRIKES RAINDROPS IN THE AIR, THEY ACT LIKE A PRISM AND FORM A RAINBOW. THE RAINBOW IS A DIVISION OF WHITE LIGHT INTO MANY BEAUTIFUL COLORS. THESE TAKE THE SHAPE OF A LONG ROUND ARCH, WITH ITS PATH HIGH ABOVE, AND ITS TWO ENDS APPARENTLY BEYOND THE HORIZON. THERE IS, ACCORDING TO LEGEND, A BOILING POT OF GOLD AT ONE END. PEOPLE LOOK BUT NO ONE EVER FINDS IT. WHEN A MAN LOOKS FOR SOMETHING BEYOND REACH, HIS FRIENDS SAY HE IS LOOKING FOR THE POT OF GOLD AT THE END OF THE RAINBOW.

RESPIRATOR ASSIGNMENT

I FULLY UNDERSTAND THAT WACO, INC. HAS ASSIGNED ME A RESPIRATOR TO BE USED SOLELY BY ME FOR THE DURATION OF MY EMPLOYMENT.

I AM FULLY RESPONSIBLE FOR MAINTENANCE AND REPAIR OF MY ASSIGNED RESPIRATOR.

I AGREE THAT IF DAMAGES OCCUR TO THE RESPIRATOR DUE TO MY NEGLIGENCE OR MISUSE, OR IF THE RESPIRATOR IS MISPLACED, ALL COSTS OF REPAIR/ REPLACEMENT OF THE RESPIRATOR WILL BE DEDUCTED BY PAYCHECK.

SIGNATURE

LAST 4 S.S.

DATE

DPOR License Lookup License Number 3302009878**License Details**

Name	MYERS, ADAM J
License Number	3302009878
License Description	Asbestos Supervisor License
Rank	Asbestos Supervisor
Address	MOUNT CRAWFORD, VA 22841-0000
Initial Certification Date	2009-12-16
Expiration Date	2015-12-31

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The license information in this application was last updated at Mon Apr 06 02:50:18 EDT.

The disciplinary action information in this application was last updated at Mon Apr 06 02:50:18 EDT.

DPOR License Lookup build 1.011 (built 2015-04-03 11:58:06).

The EI Group, Inc.

This certifies that

Adam John Myers

Student Address: 5261 Mount Clinton Pike, Harrisonburg, VA 22802

Has attended and satisfactorily passed an examination covering
the contents of an EPA/AHERA approved course entitled

Asbestos Supervisor Refresher (8-Hour) Training Course

7314050007

Certificate Number

[REDACTED]

Social Security Number

May 9, 2014

Course Dates

May 9, 2014

Exam Date

May 9, 2015

Expiration Date

Mount Crawford, VA

Location

Berry A. Maxwell
Berry Maxwell, Training Manager

Melissa S. Hart
Melissa Hart, Primary Instructor

Melissa S. Hart
Melissa Hart, Exam Administrator



4186 Innslake Drive
Glen Allen, Virginia 23060
(804) 320-9300

EPA Approved Under
TSCA Title II



RESPIRATOR FIT TESTS
&
ASSIGNMENT FORM

I, ADAM MYERS, CERTIFY THAT I HAVE BEEN ADMINISTERED A FIT TEST WITH THE FOLLOWING RESPIRATORS:

NORTH STYLE: FULL FACED HALF FACED 1-6-15
BRAND DATE

____ STYLE: FULL FACED HALF FACED _____
BRAND DATE

____ STYLE: FULL FACED HALF FACED _____
BRAND DATE

[Signature]
SIGNATURE

[Redacted]
SS#

[Signature]
SIGNATURE OF PERSON GIVING TEST

1-6-15
DATE

RAINBOW PASSAGE

WHEN THE SUNLIGHT STRIKES RAINDROPS IN THE AIR, THEY ACT LIKE A PRISM AND FORM A RAINBOW. THE RAINBOW IS A DIVISION OF WHITE LIGHT INTO MANY BEAUTIFUL COLORS. THESE TAKE THE SHAPE OF A LONG ROUND ARCH, WITH ITS PATH HIGH ABOVE, AND ITS TWO ENDS APPARENTLY BEYOND THE HORIZON. THERE IS, ACCORDING TO LEGEND, A BOILING POT OF GOLD AT ONE END. PEOPLE LOOK BUT NO ONE EVER FINDS IT. WHEN A MAN LOOKS FOR SOMETHING BEYOND REACH, HIS FRIENDS SAY HE IS LOOKING FOR THE POT OF GOLD AT THE END OF THE RAINBOW.

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I FULLY UNDERSTAND THAT WACO, INC. HAS ASSIGNED ME A RESPIRATOR TO BE USED SOLELY BY ME FOR THE DURATION OF MY EMPLOYMENT.

I AM FULLY RESPONSIBLE FOR MAINTENANCE AND REPAIR OF MY ASSIGNED RESPIRATOR.

I AGREE THAT IF DAMAGES OCCUR TO THE RESPIRATOR DUE TO MY NEGLIGENCE OR MISUSE, OR IF THE RESPIRATOR IS MISPLACED, ALL COSTS OF REPAIR/ REPLACEMENT OF THE RESPIRATOR WILL BE DEDUCTED BY PAYCHECK.

[Signature] _____

License Details

 (LicenseDetail?l=3302009287&print)

Name	NORTON, MICHAEL A
License Number	3302009287
License Description	Asbestos Supervisor License
Rank	Asbestos Supervisor
Address	ELKTON, VA 22827-0000
Initial Certification Date	2008-11-06
Expiration Date	2015-11-30

The license information in this application was last updated at Mon Apr 06 02:50:18 EDT.

License Lookup legal disclaimer

The EI Group, Inc.

This certifies that

Michael Norton

Student Address: 295 Tanager Lane, Elkton, VA, 22827

Has attended and satisfactorily passed an examination covering
the contents of an EPA/AHERA approved course entitled

Asbestos Supervisor Refresher (8-Hour) Training Course

Certificate Number
7314050008

Social Security Number
[REDACTED]

Course Dates
May 9, 2014

Exam Date
May 9, 2014

Expiration Date
May 9, 2015



4186 Innslake Drive
Glen Allen, Virginia 23060
(804) 320-9300

EPA Approved Under
TSCA Title II

Mount Crawford, VA

Location

Bert Maxwell
Bert Maxwell, Training Manager

Melissa Hart
Melissa Hart, Primary Instructor

Melissa Hart
Melissa Hart, Exam Administrator



RESPIRATOR FIT TEST
&
ASSIGNMENT FORM

I, Michael Norton, CERTIFY THAT I HAVE BEEN ADMINISTERED A FIT TEST
WITH THE FOLLOWING RESPIRATORS:

Brand North

Style: Full Faced Half Faced

Date 5/5/14

Brand _____

Style: Full Faced Half Faced

Date _____

SIGNATURE _____

Last 4 #'s of SS# _____

Signature of who gave the fit test: _____

Date: 5/5/14

RAINBOW PASSAGE

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above, and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look but no one ever finds it. When a man looks for something beyond reach, his friends say he is looking for the pot of gold at the end of the rainbow.

RESPIRATOR ASSIGNMENT

I Fully understand that WACO, INC. has assigned me a respirator to be used solely by me for the duration of my employment.

I am fully responsible for maintenance and repair of my assigned respirator.

I agree that if damages occur to the respirator due to negligence or misuse, or if the respirator is misplaced, all costs of repair / replacement of the respirator will be deducted from my paycheck.

SIGNATURE Michael Norton

SS # _____

DATE 5/5/14

FORM E029

DPOR License Lookup License Number 3302006433**License Details**

Name	PACHECO, HECTOR
License Number	3302006433
License Description	Asbestos Supervisor License
Rank	Asbestos Supervisor
Address	PENN LAIRD, VA 22846-0000
Initial Certification Date	1997-11-25
Expiration Date	2015-11-30

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The disciplinary action information in this application was last updated at Mon Apr 06 02:50:18 EDT.

DPOR License Lookup build 1,011 (built 2015-04-03 11:58:08)

The El Group, Inc.

This certifies that

Hector L. Pacheco

Student Address: 499 Water Tower Road, Penn Laird, VA 22846

Has attended and satisfactorily passed an examination covering the contents of an EPA/AHERA approved course entitled

Asbestos Supervisor Refresher (8-Hour) Training Course

7314050006

Certificate Number

Social Security Number

May 9, 2014

Course Dates

May 9, 2014

Exam Date

May 9, 2015

Expiration Date

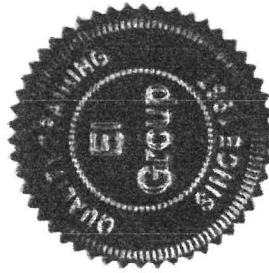
Mount Crawford, VA

Location

Bary A. Maxwell
Bary Maxwell, Training Manager

Melissa S. Hart
Melissa Hart, Primary Instructor

Melissa S. Hart
Melissa Hart, Exam Administrator



4186 Innslake Drive
Glen Allen, Virginia 23060
(804) 320-9300

EPA Approved Under
TSCA Title II



RESPIRATOR FIT TEST
&
ASSIGNMENT FORM

I, Hector Pacheco, CERTIFY THAT I HAVE BEEN ADMINISTERED A FIT TEST
WITH THE FOLLOWING RESPIRATORS:

Brand North

Style: Full Faced Half Faced

Date 5/14/14

Brand Hector Pacheco
SIGNATURE

Style: Full Faced Half Faced

Date _____

Last 4 #'s of SS#

Paul Yu
Signature of who gave the fit test:

5/14/14
Date:

RAINBOW PASSAGE

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above, and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look but no one ever finds it. When a man looks for something beyond reach, his friends say he is looking for the pot of gold at the end of the rainbow.

RESPIRATOR ASSIGNMENT

I Fully understand that WACO, INC. has assigned me a respirator to be used solely by me for the duration of my employment.

I am fully responsible for maintenance and repair of my assigned respirator.

I agree that if damages occur to the respirator due to negligence or misuse, or if the respirator is misplaced, all costs of repair / replacement of the respirator will be deducted from my paycheck.

Hector Pacheco
SIGNATURE

SS #



5-14-14
DATE

FORM E029

F. Respiratory Protection

RESPIRATORY PROTECTION GUIDELINES

This section was prepared to provide guidance and technical information and to establish the Waco, Inc. Company Policy for the administration and implementation of a Respiratory Protection Program at all work locations necessitating this safety measure.

This section sets forth the basic guidelines for respiratory protection to be applied at all Waco, Inc. job sites where workers will be exposed to any respiratory hazards. These hazards include but are not limited to dust, fumes, mists, gases, etc. Equipment will also be provided for emergency use and oxygen efficient atmospheres as required.

The Vice Presidents and the Branch Managers are responsible for the Respiratory Protection Program within their operations. They will acquire all technical services, medical and physical examinations necessary to adequately control and monitor this program. They will establish and supervise procedures for selecting proper respirators, issuance, training, sanitizing, inspection, and repairs of all respirators. In addition, they will have documented medical examination, fit tests, atmospheric sampling, and prescription lenses where necessary.

Each employee will use the respiratory equipment as per the training received and/or established, procedures. Any defective or malfunctioning equipment will be immediately reported to the First Line Supervisor who will inspect, repair or replace the equipment.

Each employee should note that each project is unique and particular job conditions will be dealt with as they are encountered with regard to respiratory protection.

RESPIRATOR SELECTION

Respirators will be selected based on the hazards to which employees will be exposed at each particular project. Selection of respiratory protection for asbestos abatement operations is specifically addressed in the asbestos abatement section of this manual.

The selection of the proper type of respirator shall be based upon (1) the nature of the hazardous operation or process, (2) the type of respiratory hazard (including physical properties, physiological effects on the body, concentration of toxic material or airborne radioactivity level, established permissible time-weighted average concentration for toxic material, established permissible airborne concentration for radioactive material, and established immediately dangerous to life or health concentration for toxic material), (3) the location of the hazardous area in relation to the nearest area having respirable air, (4) the period of time for which respiratory protection must be provided, (5) the activities of workers in the hazardous area, (6) the physical characteristics and functional capabilities and limitations of the various types of respirators and (7) respirator protection factors.

Respiratory protection selection will be from the following general classifications, according to mode of operation.

1. Atmosphere-supplying respirators
 - a. Self-contained
 - b. Supplied-air
 - c. Combination self-contained and supplied-air
 2. Air-purifying respirators
 - a. Gas and vapor
 - b. Particulate (aerosols including dust, fog, fumes, mists, smoke and spray)
 - c. Combination gas, vapor and particulate
 3. Combination atmosphere-supplying and air-purifying respirators
- Respirator use training will be conducted as required and will include the following:
- a. Classification, description, and limitations of respirators.
 - b. Classifications of respiratory hazards.
 - c. Selection of respirators.
 - d. Respirator fit tests.
 - e. Use of respirators.
 - f. Maintenance of respirators.
 - g. Special problems associated with respirator use.

In addition to the preceding, the following rules will be adhered to in the use of respiratory protection equipment.

- g.1. Eye Glasses: The use of regular eye glasses with any full-face respirator is prohibited as the stems prevent a gas tight seal from being formed. employees wearing glasses, and who may be required to wear a full-face respirator, as a temporary measure, may take an old pair of glasses and cut off a portion of the temple bars or remove them entirely and tape the glasses to the head. If the job is to be of a long duration, spectacle adaptor kits will be furnished.
- g.2. Contact Lenses: Contact lens use will be reviewed on a case by case basis.
- g.3. Facial Hair: No employee will be test fitted or issued a respirator if he has facial hair (beard) which interferes with the sealing surface or exhalation valve. Excess facial hair could cause leakage around the face piece, causing inhalation of toxic, poisonous or hazardous dusts or fumes. A closely trimmed mustache and moderate sideburns are allowable, provided there is no hindrance of the face piece seal.
- g.4. Hair Length: Because of contamination to head, proper length of hair will be to the collar or shorter.
- g.5. Facial Depression - Missing Teeth: When a proper face piece seal cannot be obtained due to an employee's facial depression (i.e. deep scar, missing teeth), that employee will not be assigned to work in areas requiring respirator usage.
- g.6. Work Periods: Any work requiring the use of respirators will be closely supervised and durations of usage will be kept to a minimum. Personnel rotation will be used to reduce stress and strain when long durations are anticipated. Any employee who develops dizziness or illness will immediately exit the work area and notify the supervisor and/or first aid.

By considering the natural heat and humidity and work conditions (confined spaces, etc.), the first line supervisor will monitor the additional psychological stress and ensure ample relief periods are granted.

Employees will not be assigned to tasks requiring the use of respirators until it has been determined that they are physically able to perform their work while using a respirator. This determination will be made by a physician based on what health and physical conditions are pertinent. The respirator user's respirator status will be reviewed annually.

Employees' personnel files will contain the results of annual physicals, respirator test fit certifications, and notations of any special conditions or capabilities of the employee regarding the employee's exposure to environments other than the normal work place.

RESPIRATOR FIT TESTING

Particular attention will be paid to the qualitative respirator fit test where the employee wearing a respirator will be exposed to an irritant smoke, odorous vapor, or other suitable test agent. An air purifying respirator must be equipped with air purifying elements which effectively remove the test agent for the inspired air. If the respirator wearer is unable to detect penetration of the test agent into the respirator, the respirator wearer has achieved the satisfactory fit with the respirator. It should be noted that while carrying out this respirator fit test, the wearer shall carry out a series of exercises which simulate work movements. The successful respirator fit test will be certified only for the specific make and model of respirator for which the employee obtained a satisfactory fit. At no time

will an employee be allowed to wear a respirator for which a satisfactory test has not been completed. The respirator fit test certification form will be used to document which respirator that an Individual has been approved to wear.

RESPIRATOR CONTROL AND MAINTENANCE

While each employee is responsible for the maintenance and cleaning of his own respirator, the project foreman also assumes full responsibility for the cleaning and sanitizing, the inspection, and the repair and storage of his projects' respirators.

Each respirator will be cleaned and disinfected daily or more often, if necessary.

Where breathing air is used for supplied-air respirators, the air supply is regularly checked at project commencement and monthly to be sure it meets the quality requirements for Grade "D" breathing air. Where compressed air is used for breathing, the compressor for supplying air shall be equipped with necessary safety and stand-by devices. Suitable in-line air purifying absorbent bed and filters will be installed to assure breathing air quality. Alarms will be installed to indicate compressor failure and over-heating. If an oil-lubricated compressor is used, it will be equipped with a high temperature or carbon-monoxide alarm, or both.

Breathing air filtration equipment will be inspected at job commencement and weekly. Records will be kept of all inspections.

RESPIRATOR TEST FIT CERTIFICATION

This is to certify that _____
(Employee)

has been instructed in the proper use of the following respirators. In addition,
he has passed a qualitative fit test in these respirators

Respirator Brand and Number

Test Date

Employee

Test Administered By

Respirator Brand and Number

Test Date

Employee

Test Administered By

G. Negative Air Machine Filtration

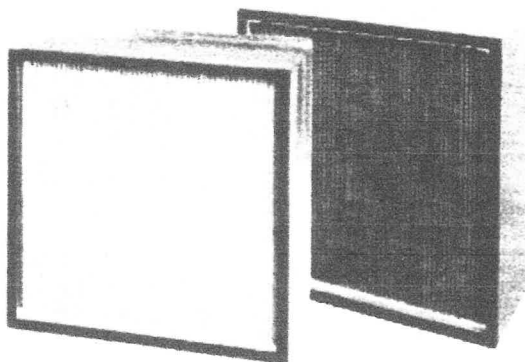
**HEPA, 2" Secondary Filter & 1/2" Pre Filter
NC Filtration Air Filtration Products**

NC FILTRATION

AIR FILTRATION PRODUCTS

Features

- 95% & 99.97% Efficiencies available
- Corrugated aluminum media separators
- Standard (18 pleats/ft.) or High-Capacity (36 pleats/ft.)
- Metal or particle board frames are available
- Sealed internally with Urethane Sealant 5/8" & 1 1/2" Depths Available in All Sizes



Design

NC Filtration HEPA filters are standardized using 5/8" particle board framing. Each frame is glued and stapled to provide a rigid enclosure for the media pack.

Metal frames fabricated of galvanized steel, aluminum or stainless steel are available for use where corrosion or temperature limits exceed those applicable for particle board frames.

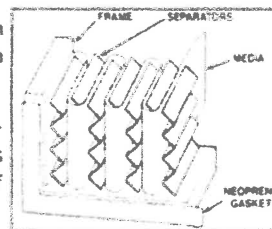
Construction

Media: Each filter is constructed from one continuous sheet of high strength waterproof glass microfiber paper, sealed to the frame on all four edges.

Separators: Media separators are corrugated aluminum. A separator is placed between each pleat of media to prevent the pleats from touching. This allows the air to pass through with minimum of resistance.

Adhesive Sealants: Standard sealants utilized are fire retardant rubber bade adhesive and urethane sealant. These sealants are applied as a fluid and solidifies to provide a positive seal between media pack and frame.

Gaskets: All standard HEPA filters are equipped with a closed cell neoprene gasket. Placement is on the Downstream side of the filter unless otherwise specified. If a gasket is required on both sides of the filter, it must be indicated in the purchase order.



HEPA FILTERS

NC FILTRATION AIR FILTRATION PRODUCTS

Pressure Drop

99.97% DOP—HEPA FILTERS

Initial Pressure Drop—1.00" w.g.

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
8x8x5%	4	50
12x12x5%	8	135
12x24x5%	12	275
18x18x5%	17	310
18x24x5%	22	410
24x24x5%	23	600
24x30x5%	30	750
24x30x5%	32	900
24x48x5%	35	1230
24x60x5%	38	1550
30x72x5%	43	1895
30x24x5%	30	750
30x30x5%	33	925
30x36x5%	36	1150
30x48x5%	41	1550
30x60x5%	45	1960

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
30x72x5%	50	2350
36x24x5%	32	900
36x30x5%	36	1150
36x36x5%	40	1380
36x48x5%	46	1825
36x60x5%	53	2350
36x72x5%	60	2850
12x12x11%	16	275
12x24x11%	25	550
18x24x11%	30	800
23% \times 23% \times 11%	40	1000
24x24x11%	40	1100
24x30x11%	46	1375
24x36x11%	52	1650
24x48x11%	61	2150
30x24x11%	46	1375

95% DOP—HEPA FILTERS

Initial Pressure Drop—1.00" w.g.

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
8x8x5%	4	105
12x12x5%	8	280
12x24x5%	12	575
23% \times 23% \times 11%	23	1200
24x24x5%	23	1300
24x30x5%	30	1625
24x36x5%	32	1950

SIZE H x W x D	WEIGHT	CUBIC FT. PER MINUTE (CFM)
24x48x5%	35	2600
12x12x11%	15	450
12x24x11%	25	910
23% \times 23% \times 11%	40	1850
24x24x11%	40	1900
24x30x11%	46	2500

NC FILTRATION
AIR FILTRATION PRODUCTS

Phone: 704.822.4444 Fax: 704.822.1170

www.ncfiltration.com

H. Employee Medical Documentation

1. Scott Harper
2. Adam Myers
3. Michael Norton
4. Hector Pacheco

List of workers may be changed or added. Revised list and proper documentation will be supplied prior to the start of the project.



119B University Blvd.
Harrisonburg, VA 22801
Phone: (540) 434-5709
Fax: (540) 434-5710
www.valleyurgentcareva.com

REPORT OF MEDICAL EXAMINATION

Employee Name: Harper Scott Lee
Last First Middle

Social Security (last four #'s): XXXX-XX- Employer: WACO INC

Date of Examination: 11/7/14

1. This employee DOES / DOES NOT have any detected medical condition that would place her/him at an increased risk of material health impairment from exposure hazardous materials.
2. There ARE / ARE NOT any recommended limitations on this employee or on his/her use of personal protective equipment such as respirators.
Recommended limitations:
3. This employee has been informed of the results of the medical examination and of any medical conditions which she/he has.
4. This employee states that he/she DOES / DOES NOT smoke.
This employee has been urged to stop smoking.
5. The exam has included a review of the OSHA respirator questionnaire.
6. Facial hair and respirator use has been discussed as applicable.
7. The physician or other licensed health professional (PLHCP) has provided this employee with a copy of the PLHCP's recommendation.
8. Comments:

Provider's Signature: MT Swallow

I. Respiratory Protection Requirements - FOR RESPIRATOR USERS ONLY

- a. The type of respirator to be used: ☒ Filtering face piece, disposable respirator (filter-mask or non-cartridge)
☒ Half face ☐ Full face ☐ Air purifying ☐ Supplied air ☐ Self-contained breathing apparatus
- b. Duration of Use: 8 hours ☐ days ☐ months per year
- c. Expected physical work effort: ☒ Light ☒ Moderate ☐ Heavy exertion
- d. The following protective clothing is to be worn by the employee:
☐ Light, street clothing ☐ Disposable Suit ☐ Heavy, thermal overalls
- e. The following represents the temperature conditions to be experienced by the employee:
☒ Hot and arid ☒ Hot and humid ☒ Cool and arid ☒ Cool and humid ☒ Air conditioned

TO LICENSED HEALTHCARE PROVIDER: The above represents the respiratory protection requirements that the employee may need while at work. Please complete Part J.

J. RESPIRATOR WEAR CERTIFICATION - LICENSED HEALTHCARE PROFESSIONAL'S WRITTEN OPINION

- a. I have reviewed my exam findings with the employee and have provided the employee with a written copy of my findings.
 Yes ☒ No ☐
- b. The employee is physically fit to wear filtering face piece disposable respirator (filter-mask, or non-cartridge type).
 Yes ☒ No ☐
- c. The employee is physically fit to wear a half face, full face, air purifying, or supplied air respirator; or self-contained breathing apparatus.
 Yes ☒ No ☐
- d. The employee has limitations in the use of a respirator. Explain _____
 Yes ☐ No ☒
- e. The employee is not medically fit to wear a respirator and requires a follow-up medical evaluation by his/her treating physician.
 Yes ☐ No ☒

K. MEDICAL CLEARANCE - LICENSED HEALTH CARE PROFESSIONAL/PHYSICIAN'S WRITTEN OPINION

My medical recommendation is based on a review of the medical history, laboratory test results, physical exam, and type of job requirements of the position applied for or performed by the individual named below. I have informed the applicant/employee of these results.

- ☒ Class A - Medically qualified
- ☐ Class B - Medically qualified - Minor controllable impairments present (e.g., eyeglasses)
- Recommend:
☐ Class C - Medically qualified for modified work only in accordance with the following:
 Restrictions:
- ☐ Class D - Medically unqualified for job title and job requirements listed above
- ☐ Class E - Temporarily medically unqualified (e.g., hernia or other correctable problem)
 I request the following test:

LICENSED HEALTH CARE PROVIDER M. Kollman PA-C DATE 04/04/2015
 Signature

LICENSED HEALTH CARE PROVIDER (Print Name) Melissa Kollman PA-C

EMPLOYEE/APPLICANT Adam J. Myers DATE 4-4-15
 Signature

EMPLOYEE/APPLICANT (Print Name) ADAM J MYERS

I. Respiratory Protection Requirements - FOR RESPIRATOR USERS ONLY

- a. The type of respirator to be used: ☒ Filtering face piece, disposable respirator (filter-mask or non-cartridge)
☒ Half face ☒ Full face ☐ Air purifying ☐ Supplied air ☐ Self-contained breathing apparatus
- b. Duration of Use: 5 hours 8 days 12 months per year
- c. Expected physical work effort: ☒ Light ☐ Moderate ☐ Heavy exertion
- d. The following protective clothing is to be worn by the employee:
☐ Light, street clothing ☒ Disposable Sult ☐ Heavy, thermal overalls
- e. The following represents the temperature conditions to be experienced by the employee:
☐ Hot and arid ☐ Hot and humid ☐ Cool and arid ☐ Cool and humid ☒ Air conditioned

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J. RESPIRATOR WEAR CERTIFICATION - LICENSED HEALTHCARE PROFESSIONAL'S WRITTEN OPINION

- a. I have reviewed my exam findings with the employee and have provided the employee with a written copy of my recommendations. ☒ Yes ☐ No
- b. The employee is physically fit to wear filtering face piece disposable respirator (filter-mask, or non-cartridge type). Yes ☒ No ☐
- c. The employee is physically fit to wear a half face, full face, air purifying, or supplied air respirator; or self-contained breathing apparatus. ☒ Yes ☐ No
- d. The employee has limitations in the use of a respirator. Explain _____ Yes ☐ No ☒
- e. The employee is not medically fit to wear a respirator and requires a follow-up medical evaluation by his/her private treating physician. Yes ☐ No ☒

K. MEDICAL CLEARANCE - LICENSED HEALTH CARE PROFESSIONAL/PHYSICIAN'S WRITTEN OPINION

The following medical recommendation is based on a review of the medical history, laboratory test results, physical exam, and type of physical requirements of the position applied for or performed by the individual named below. I have informed the applicant/employee of these results.

- ☒ Class A - Medically qualified
- ☐ Class B - Medically qualified - Minor controllable impairments present (e.g., eyeglasses)
- Recommend:
- ☐ Class C - Medically qualified for modified work only in accordance with the following:
 Restrictions:
- ☐ Class D - Medically unqualified for job title and job requirements listed above
- ☐ Class E - Temporarily medically unqualified (e.g., hernia or other correctable problem)
 I request the following test.

LICENSED HEALTH CARE PROVIDER Melissa Kollman PA-C DATE 3-20-15
 Signature

LICENSED HEALTH CARE PROVIDER (Print Name) Melissa Kollman PA-C
Dr. Elizabeth Swallow MD

EMPLOYEE/APPLICANT Michael Norton DATE 3/20/15
 Signature

EMPLOYEE/APPLICANT (Print Name) Michael Norton



119B University Blvd.
Harrisonburg, VA 22801
Phone: (540) 434-5709
Fax: (540) 434-5710
www.valleyurgentcareva.com

REPORT OF MEDICAL EXAMINATION

Employee Name: Pacheco Hector L.
Last First Middle

Social Security (last four #'s): xxx-xx- [REDACTED] Employer: WACO

Date of Examination: 8-29-14

1. This employee DOES / DOES NOT have any detected medical condition that would place her/him at an increased risk of material health impairment from exposure hazardous materials.
2. There ARE / ARE NOT any recommended limitations on this employee or on his/her use of personal protective equipment such as respirators.
Recommended limitations:
3. This employee has been informed of the results of the medical examination and of any medical conditions which she/he has
4. This employee states that he/she DOES / DOES NOT smoke.
This employee has been urged to stop smoking.
5. The exam has included a review of the OSHA respirator questionnaire.
6. Facial hair and respirator use has been discussed as applicable.
7. The physician or other licensed health professional (PLHCP) has provided this employee with a copy of the PLHCP's recommendation.
8. Comments:

Provider's Signature: [Signature]

**This concludes our Asbestos Removal Plan/
Submittal Package for the Lakeside Hall “A”
Asbestos Containing Building Materials**

3. Warren Campus Center - Post Office Abatement

Proposal, Methodology & Timeline

3. Post Office Abatement: Proposal, Methodology & Timeline

RFP Reference Section:

Page 4. Section V. Paragraph B. Item 2 and RFP Attachment E

Plan and methodology for providing the goods/services for the attached three (3) projects as described in Section IV "*Statement of Needs*" of this Request for Proposal



James Madison University

Asbestos-Containing Building Material

Asbestos Removal Plan

Warren Campus Center - Post Office

Table Of Contents

1. Project Identification
2. Description Of Work
3. Location Of Work
4. Regulations And Specifications
5. Schedule
6. Submittals
 - A. Asbestos Plan
 - B. Materials
 - C. Notifications
 - D. Laboratory
 - E. Training
 - F. Respiratory Protection Program
 - G. Negative Air Machine Filtration
 - H. Employee Medical Documentation

1. Project Identification

This project is known as Hillside Hall, a facility located on the campus of James Madison University.

2. Description Of Work

The Warren Campus Center - Post Office project requires the removal and disposal of approximately:

- a. 1,457 sf. vinyl asbestos floor tile
- b. 942 sf. asbestos contaminated floor tile
- c. 2,399 sf. asbestos containing floor tile mastic
- d. 8,000 sf. asbestos contaminated ceiling tile system & grid
- e. 220 lf. asbestos contaminated concrete masonry unit wall
- f. 3 ea. asbestos containing heat shield units

The project requires the thorough decontamination of the designated areas of the facility from which asbestos-containing and asbestos contaminated materials are removed.

3. Location Of Work

This project primarily will involve the 2nd Floor Post Office area.

4. Regulations And Specifications

All work shall be performed in accordance with applicable Federal, State and Local laws, rules and regulations. Additionally, the requirements stated in the project specifications are applicable.

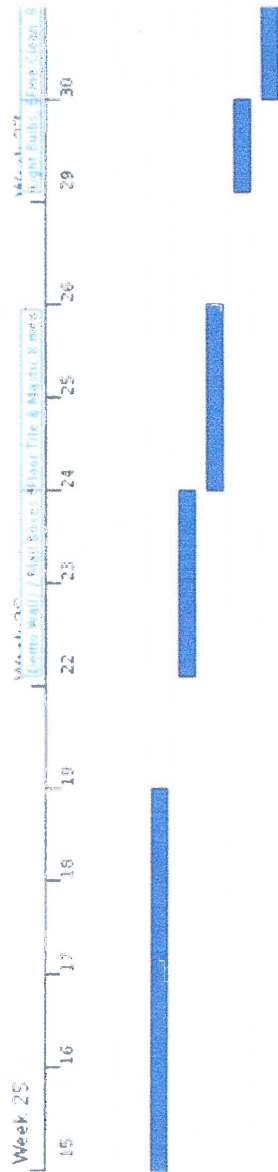
5. Schedule

This project is scheduled to be performed during the time period provided in the specifications:

Start - 6/1/15

Completion - 7/3/15

See attached Gantt Chart for specific phasing and man power.



6. Submittals

A. Asbestos Plan

A 20 day notification will be filed to the Department of Labor and Industry as well as a 10 day notification to the Environmental Protection Agency. The Notification will start 6/1/15 and end 7/2/15.

This project will consist of the removal of approximately 1,457 sf of vinyl asbestos floor tile, 942 sf of asbestos containing floor tile, 2,399 sf of asbestos containing floor tile mastic, 3,000 cut of asbestos containing and asbestos contaminated spray applied fireproofing insulation, 8,000 sf of asbestos contaminated ceiling tile system, 220 lf of asbestos contaminated concrete masonry unit wall system and 3 ea asbestos heat shields.

This project also consist of removal of mail boxes, fluorescent light tubes and ballast and mercury switches.

The entire work area will be 1 containment. The containments will consist of a three stage personnel decontamination unit at the entrance to the work areas, critical barriers consisting of two layers of 6-mil polyethylene and polyethylene splashguards throughout the work area. Sufficient, HEPA filtrated, negative air machines will be used to maintain a .02 negative pressure containment. Negative air machines will be exhausted outside through existing windows.

All persons entering the containment areas will have all proper PPE consisting of full hooded suits, proper respirators, safety glasses and foot coverings. All persons will have up to date documentation of asbestos license, training certificate, medical documentation and respirator fit test.

Floor tile will be removed using floor tile scrappers and electric demo hammers equipped with 4" wide blades. Once the floor tile is removed, we will search for cracks and other penetrations in the concrete. All cracks and penetrations found will be sealed to prevent the leakage of mastic remover from the contained work area. The mastic will be removed with hand scrappers and buffers. We will use Grayling Control Low Odor Mastic Remover to aid in the removal. The floor tile will be placed into 1 ea woven bag and then into 2 ea asbestos disposal bags.

Asbestos containing and contaminated spray applied fire proofing will be hand scrapped from areas as shown on drawing D101 and as detailed in project specifications. Material will be placed into 2 ea asbestos disposal bags.

Asbestos contaminated ceiling tile system will be removed and bundled into 2 layers of 6 mil poly for disposal. The bundles will not exceed a manageable size.

Asbestos containing contaminated CMU will be demolished by means of sledge hammers. The CMU debris will be placed into 3' x 3' x 3' plywood shipping crates. The crates will first be lined with 2 layers of 6 mil poly. Once the crates are full and tops are installed, an asbestos disposal bag will be affixed to the crate to show proper disposal labeling. The crates will be moved to a disposal trailer by means of motorized pallet jacks. See attached ULINE print out for details of the crates.

Light tubes will be crushed onsite with a bulb-eater that dispenses the crushed bulbs into a 55 galloon metal drum. PCB Ballast will be placed into separate 55 gallon metal drums for disposal. Any mercury switches will be disposed of in 1 gallon plastic disposal units.

Once all removal of asbestos containing and contaminated items is complete, we will decontaminate the work area by means of heap vacuuming and wet wiping. All flooring in which mastic was removed will be thoroughly mopped with Mr. Clean cleaning agent.

The containment areas will be torn down after notification of passed final air sampling.

ULINE

Search

GO

Home > All Products > Boxes, Corrugated > Wood Crates > Standard Wood Crates

STANDARD WOOD CRATES


[Enlarge & Video](#)

"Vault-like" protection for your export shipments.

- Ships flat for easy storage.
- 1/4" thick plywood.
- Assembles in minutes with only a screwdriver.
- Export certified. Meets ISPM 15 requirements.
- Wood pallets heat treated and stamped for export shipment.

MODEL NO.	OUTSIDE DIMENSIONS L x W x H	INSIDE DIMENSIONS L x W x H	WEIGHT CAPACITY	STACKING STRENGTH	WT. (LBS.)	PRICE EACH			ADD TO CART
						1	5	10+	
S-18246*	12 x 12 x 12"	11 1/3 x 11 1/3 x 11 1/2"	250 lbs.	12,000 lbs.	7	\$49	\$45	\$42	ADD
S-20434*	18 x 18 x 18"	17 1/3 x 17 1/3 x 17 1/2"	275 lbs.	12,000 lbs.	16	65	58	55	ADD
S-9921*	24 x 20 x 20"	23 3/16 x 19 3/16 x 19 1/2"	300 lbs.	12,000 lbs.	20	68	63	59	ADD
S-20435	24 x 20 x 25"	23 1/3 x 19 1/3 x 19 1/2"	300 lbs.	12,000 lbs.	30	91	81	77	ADD
S-13371	24 x 24 x 28 3/4"	23 3/16 x 23 3/16 x 23 3/16"	400 lbs.	10,000 lbs.	34	100	92	87	ADD
S-18247	30 x 30 x 30"	29 1/3 x 29 1/3 x 24 1/2"	2,000 lbs.	10,000 lbs.	48	133	126	120	ADD
S-16473*	32 x 24 x 24"	31 1/4 x 23 1/4 x 23 1/2"	500 lbs.	10,000 lbs.	31	110	102	94	ADD
S-13372	36 x 22 x 22"	35 3/16 x 21 3/16 x 16 1/2"	750 lbs.	10,000 lbs.	36	107	99	92	ADD
S-13373	36 x 36 x 36"	35 3/16 x 35 3/16 x 30 1/2"	2,000 lbs.	10,000 lbs.	65	180	165	155	ADD
S-20436	40 x 40 x 40"	39 1/3 x 39 1/3 x 34 1/2"	2,750 lbs.	10,000 lbs.	88	217	193	185	ADD
S-11302	41 x 28 3/4 x 25 1/2"	40 3/16 x 27 7/8 x 20"	2,000 lbs.	11,000 lbs.	56	143	132	124	ADD
S-18248*	48 x 30 x 30"	47 1/4 x 29 1/4 x 29 1/2"	2,250 lbs.	10,000 lbs.	52	145	135	126	ADD
S-16474	48 x 30 x 35"	47 1/4 x 29 1/4 x 29 1/2"	2,500 lbs.	12,000 lbs.	75	194	179	169	ADD
S-15188*	48 x 40 x 30"	47 3/16 x 39 3/16 x 29 1/2"	3,000 lbs.	10,000 lbs.	65	165	152	144	ADD
S-9922	48 x 40 x 42"	47 3/16 x 39 3/16 x 36 1/2"	3,000 lbs.	10,000 lbs.	89	214	196	185	ADD
S-12652	48 x 45 x 35"	47 3/16 x 44 3/16 x 29 1/2"	2,000 lbs.	12,000 lbs.	98	224	208	195	ADD
S-18924	48 x 48 x 28"	47 3/16 x 47 3/16 x 22 1/2"	3,000 lbs.	9,000 lbs.	95	210	194	182	ADD
S-11303	48 x 48 x 48"	47 3/16 x 47 3/16 x 42 1/2"	3,000 lbs.	9,000 lbs.	118	254	240	224	ADD

http://www.uline.com/BL_427/Wood-Crates?pricode=WK631&AdKey...dMatchtype=p&gclid=CLbLuOvi68QCfQFk7Aodx3MAXQ&gclid=aw.ds

Page 1 of 2

B. Materials

6 mil Polyethylene Sheeting
Duct Tape
Blue "No Mar" Tape
Poly Pro Suits
Nexgen Suits (Poly Coated)
Safety Glasses
Grayling Control Low Odor Mastic Remover
Rags
Mr. Clean Cleaning Agent
Woven Bags
6 mil Asbestos Disposal Bags
Asbestos Warning Signs
Poly Exhaust Tubing
20" Buffer Pads
Rubber Gloves
Leather Palm Gloves
Rubber Boots
Wetting Agent
Encapsulant MEI 44-15
North P100 Respirator Filter Cartridges
Disposable Decontamination Units
Spray Adhesive

MSDS / SDS IMMEDIATELY FOLLOW



Material Safety Data Sheet

Creation Date 22-Nov-2010

Revision Date 29-Mar-2013

Revision Number 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Triton® X-100

Cat No.

AC215680000; AC215680010; AC215680025; AC215680050;
AC215682500

Synonyms

Polyoxyethylene octylphenyl ether

Recommended Use

Laboratory chemicals

Company

Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Entity / Business Name

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number

For information in the US, call: 001-800-

ACROS-01

For information in Europe, call: +32 14 57 52
11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-
424-9300

CHEMTREC Phone Number, Europe: 001-
703-527-3887

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Harmful if swallowed. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Appearance Clear

Physical State Liquid

Odor No information available

Target Organs

Eyes

Potential Health Effects

Acute Effects

Principle Routes of Exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity	1.067
Solubility	No information available.
log Pow	No data available
Molecular Weight	646.85
Molecular Formula	C34 H62 O11

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Excess heat. Exposure to air. Exposure to light. Exposure to moist air or water.
Incompatible Materials	Strong oxidizing agents, Strong acids, Strong reducing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATIONAcute ToxicityComponent Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Poly(oxy-1,2-ethanediyl), alpha-[4-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy-	1800 mg/kg (Rat)	Not listed	Not listed

Irritation	Severe eye irritant
Toxicologically Synergistic Products	No information available.
<u>Chronic Toxicity</u>	
Carcinogenicity	There are no known carcinogenic chemicals in this product
Sensitization	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	Experiments have shown reproductive toxicity effects on laboratory animals.
Developmental Effects	Developmental effects have occurred in experimental animals.
Teratogenicity	No information available.
Other Adverse Effects	The toxicological properties have not been fully investigated.. See actual entry in RTECS for complete information.
Endocrine Disruptor Information	

Component	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Group III Chemical	Not applicable	Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Not listed	LC50 = 8.9 mg/L 96H	Not listed	EC50 = 26 mg/L 48h

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	XU	X	-	-	-		X	X	X	X	X

Legend:
X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commercial PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Not applicable

Clean Air Act

Not applicable

OSHA

Not applicable

CERCLA

Not Applicable

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade	No information available
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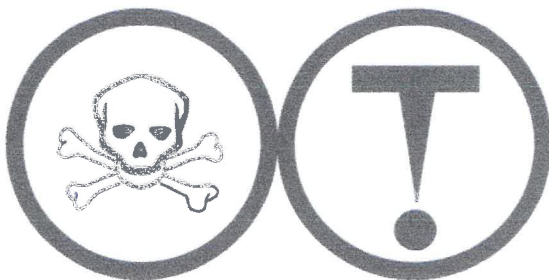
Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1B Toxic materials

D2B Toxic materials

**16. OTHER INFORMATION**

Prepared By Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Creation Date 22-Nov-2010

Print Date 29-Mar-2013

Revision Summary (M)SDS sections updated 14

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS #: RQ1007735r1
Supersedes: RQ1007735

Issue Date: 05/2012

SECTION I - PRODUCT IDENTIFICATION

Identity: Multi-Purpose Cleaner **Finished Product**
Brands: Mr. Clean with Febreze Freshness Multi-Surface Liquid Cleaner (Meadows & Rain, Lavender Vanilla & Comfort, Hawaiian Aloha, New Zealand Springs)
Mr. Clean with Gain Scent Multi-Surface Liquid Cleaner (Original Fresh scent, Apple Berry Twist Scent, Lavender Scent)
P&G Telephone Number: 1-800-742-9220 or call Local Poison Control Center or your physician.
Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300 U.S. and Canada
or 1-703-527-3887 - for calls originating elsewhere.

SECTION II - HAZARDS IDENTIFICATION

Potential Health Hazards:

Routes of exposure: Ingestion. Inhalation. Skin contact. Eye contact.

Ingestion: May be harmful if swallowed.

Eye Contact: Mild eye irritant.

Skin Contact: Mild skin irritant.

Inhalation: N/A

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in transient system effects (ataxia and muscle weakness) and/or gastrointestinal irritation with nausea, vomiting or diarrhea. This product contains alcohol ethoxylates. Large ingestions (>2 ml/kg) may also cause symptoms of alcohol-like intoxication, lack of coordination, drowsiness, inarticulateness or ataxia. Alcohol ethoxylates may contribute to central nervous system symptoms. Possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, lack of coordination and headache.

Eye Contact: Instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soaps and detergents.

Skin Contact: Use on irritated or extremely dry skin may aggravate the existing condition.

Inhalation: N/A

Medical Conditions Generally Known to be Aggravated by Exposure: N/A

Potential Environmental Effects: See Section 12 for more information.

SECTION III - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Alcohol ethoxylates		68439-46-3	1-5%	LD50 (rat, oral) = 200-2000 mg/kg

SECTION IV - FIRST AID INFORMATION

First Aid Procedures:

Ingestion: Drink 1-2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates). Do not induce vomiting unless they tell you to do so.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice if irritation persists.

Skin: Thoroughly wash exposed area with soap and water and discontinue use. Remove contaminated clothing. If irritation persists, call a physician.

Inhalation: Remove to fresh air.

Note to Physician: (if applicable): N/A

Other: Consumer product package has the following precautionary statement: **CAUTION: EYE IRRITANT.**

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. If in eyes, hold eyes open and rinse gently with water for 15-20 minutes. If wearing contacts, remove lenses after first 5 minutes and continue rinsing. If irritation persists, call a physician. If swallowed, drink 1-2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates) — do not induce vomiting unless they tell you to do so. Have the product container or label with you when calling or going for treatment.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >200°F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup).

Flammable Properties:

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

Explosive Limits: UEL: N/A LEL: N/A

Auto-ignition Temperature: N/A

Hazardous Combustion Products: None known.

Explosion Data (Sensitivity to Mechanical Impact): N/A

Explosion Data (Sensitivity to Static Discharge): N/A

Extinguishing Media:

Suitable: CO2, water, dry chemical or "alcohol" foam. Use water to keep fire-exposed container cool.

Unsuitable: N/A

Protection of Firefighters:

Specific Hazards Arising from the Material: None.

Protective Equipment and Precautions for Firefighters: No unusual precautions necessary.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section VIII below.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Do not landfill. Small (household) quantities may be disposed of via sewer with large quantities of water. Incineration is preferred where permitted.

Methods for Containment: Prevent spills from reaching a waterway.

Methods for Cleanup: Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbent material.

Other Information: (if applicable) N/A

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling: Handle in a well ventilated, cool and dry area.

Precautions To Be Taken in Storage: Storage must be in a well ventilated, cool and dry area.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: N/A

Engineering Controls:

Ventilation Mechanical (General): Normal/general dilution ventilation is acceptable.

Personal Protective Equipment (PPE):

Eye/Face Protection: None required with normal consumer use. *Occupational Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.

Skin Protection: None required with normal consumer use. *Occupational Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact. **Respiratory Protection:** None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape):
Colored liquids (blue, red, pinkish/purple and orange). Packaged in a pourable plastic bottle.

Odor: Products are perfumed.

Odor Threshold: N/A

Physical State: Liquid.

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Boiling Point: N/A

Partition Coefficient (n-octanol/water): N/A

Volatile Organic Compound (VOC): Products comply with US State and Federal regulations for VOC content.

Flash Point (Method Used): >200°F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup.)

Reserve Alkalinity: N/A

Solubility in Water: Completely

Decomposition Temperature: N/A

Evaporation Rate (nBuOAc=1): Unknown

Specific Gravity/Density: 1.019 g/cm³

Melting/Freezing Point: N/A

pH (neat): 9.5

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: None known.

SECTION XI - TOXICOLOGICAL INFORMATION

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: This finished consumer product is not carcinogenic.

NTP: No

IARC: No

All product ingredients were checked for NTP and IARC carcinogen listings relevant to this product formulation.

SECTION XII - ECOLOGICAL INFORMATION

Environmental effects: No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with federal, state/provincial and local regulations.

Non-Household Setting (US Federal): Products covered by this MSDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261).

California Hazardous Waste: Yes

Household Use: Consumers may dispose of small (household) quantities down the drain with large quantities of water. Discard empty container in trash or rinse and recycle container where facilities exist.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (US DOT): Not regulated.

Air Transport (IATA): Not regulated.

Marine/Water Transport (IMDG): Not regulated.

SECTION XV - REGULATORY INFORMATION**United States**

All intentionally-added components of these products are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: None.

California: These products have been evaluated and do not require warning labeling under California Proposition 65.

California Registration Number: N/A

State Right-to-Know and CERCLA:

The following ingredients present in the finished products at > 1% (or 0.1% for carcinogens) are listed on state right-to-know lists or state worker exposure lists:

Ingredient	CAS#	CERCLA RQ	Max Level	State				
				IL	MA	NJ	PA	RI

Canada

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION	
Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.	
P&G Hazard Ratings: Health: 1 Flammability: 0 Physical hazard: 0	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = NOT SIGNIFICANT
*N/A. - Not Applicable	
*N/K. - Not Known	
Data supplied is for use only in connection with occupational safety and health.	
DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.	
This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.	

Material Safety Data Sheet GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER		
Version: 1.0	Revision Date: 12/20/2011	Print Date: 02/16/2012
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION		
Product name:	<i>GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER</i>	
Product Use Description:	Home Care Product	
Company:	HomeCare Labs, Inc. P.O. Box 491150 Lawrenceville, GA 30049-1002 Telephone: (800) 949-7946	
Emergency telephone number:	CHEMTREC: (24 hours) 800-424-9300, 703-527-3887 Poison Control Center (Medical) :: (877) 800-5553 For additional emergency telephone numbers see section 16 of the Safety Data Sheet.	
Prepared by:	<u>Product Safety Department</u> (US) +1 866-430-2775 12/20/2011 MSDSRequest@chemtura.com	
SECTION 2. HAZARDS IDENTIFICATION		
Emergency Overview		
Danger		
Form: liquid	Colour: clear	Odour: Clean, fresh fragrance
Hazard Summary	Eye burns may occur. Causes eye irritation. Harmful if swallowed. Harmful by inhalation. Causes skin irritation.	
OSHA Hazards	IRRITANT	
Potential Health Effects		
Primary Routes of Entry	Eye contact Inhalation Ingestion Skin contact	
Inhalation	Harmful if inhaled.	
SAP 6.0	1 / 10	SDS Number: 000000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

	Causes respiratory tract irritation.
Skin	: Causes skin irritation.
Eyes	: Eye burns may occur. Causes eye irritation.
Ingestion	: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Chronic Exposure	: None known.
Carcinogenicity:	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
(2-methoxymethylethoxy)propanol 34590-94-8	< 5 %

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation	: Remove person to fresh air. If signs/symptoms continue, get medical attention. Call a physician or poison control centre immediately.
Skin contact	: Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact	: Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a physician or poison control centre immediately.
Ingestion	: If swallowed, DO NOT induce vomiting. Drink 1 or 2 glasses of water. Call a physician or poison control centre immediately.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

SAP 6.0

2 / 10

SDS Number: 000000000000

Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Flash point : 200 °F (93 °C)

Fire fighting

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : There are no unusual fire and explosion hazards known.

Protective equipment and precautions for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.
Clean-up methods - small spillage
Flush with plenty of water.
Clean-up methods - large spillage
Soak up with inert absorbent material.
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.

Additional advice : Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Handling

Handling procedures : Avoid contact with mucous membranes.
Avoid contact with skin, eyes and clothing.
Mix only with water.
Do not mix with other chemicals.
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.
Do not handle until all safety precautions have been read and understood.

Storage

Requirements for storage areas and containers : Store in original container.
Store in a cool, dry, well ventilated area away from heat or open flame.
Keep out of reach of children.
Keep away from animals.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value / Basis /	Control	Further information
SAP 6.0	3 / 10		SDS Number: 000000009696

Material Safety Data Sheet **GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER**

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

	Update	parameters	
(2-methoxymethylethoxy)propanol 34590-94-8	TWA	100 ppm	
	ACGIH		
	2007-01-01		
	STEL	150 ppm	
	ACGIH		
	2007-01-01		
	TWA	100 ppm 600 mg/m3	
	OSHA P1		
	1997-08-04		
	TWA	100 ppm 600 mg/m3	
	OSHA P0		
	1989-01-19		
	STEL	150 ppm 900 mg/m3	
	OSHA P0		
	1989-01-19		
2,2'-iminodiethanol 111-42-2	TWA	3 ppm 15 mg/m3	
	OSHA P0		
	1989-01-19		
	TWA	1 mg/m3	
	ACGIH		
	2009-01-01		

Engineering measures

Engineering measures : Use with adequate ventilation.
 Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
 Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : Wear rubber gloves.

Respiratory protection : No personal respiratory protective equipment normally required.
 If product is used in an area with poor ventilation and mist or vapor is expected, a respirator that meets OSHA/ANSI standards may be required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
 Remove and wash contaminated clothing before re-use.
 Wash thoroughly after handling.

SAP 6.0

4 / 10

SDS Number: 000000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : clear
Odour : Clean, fresh fragrance

Safety data

Flash point : 200 °F (93 °C)
pH : 12.6
Freezing point : Note: Not Available
Boiling point/boiling range : 213.1 °F (100.6 °C)
Vapour pressure : Note: Not Available
Density : 0.995 - 1.015 g/cm3
Water solubility : 100 g/l
Relative vapour density : Note: Heavier than air
Evaporation rate : Note: Equal to water

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: High temperatures.
Poor ventilation.
Contamination
Materials to avoid : Remarks: Ammonia
Chlorine bleach
Oxidizing agents
Other chemicals
Hazardous decomposition products : Note: Carbon oxides
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
(2-methoxymethyl ethoxy)propa
nol : LD50: > 2,000 mg/kg
Species: rat

SAP 6.0

5 / 10

SDS Number: 000000009606

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Acute inhalation toxicity (2-methoxymethylethoxy)propanol	: LC50: Exposure time: 7 h Species: rat
Acute dermal toxicity (2-methoxymethylethoxy)propanol	: LD50: > 2,000 mg/kg Species: rabbit
Skin irritation	: Remarks: May cause skin irritation.
Eye irritation	: Remarks: Irritating to eyes. Eye burns may occur.
Sensitisation (2-methoxymethylethoxy)propanol	: Species: Human Classification: Did not cause sensitization on laboratory animals.
Teratogenicity (2-methoxymethylethoxy)propanol	: Species: rat Application Route: Inhalation
CMR effects (2-methoxymethylethoxy)propanol	: Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: No effects on or via lactation Reproductive toxicity: No toxicity to reproduction

12. ECOLOGICAL INFORMATION

Toxicity to fish (2-methoxymethylethoxy)propanol	: LC50: > 5,000 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) static test
Toxicity to daphnia and other aquatic invertebrates (2-methoxymethylethoxy)propanol	: LC50: 1,919 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test
Toxicity to algae (2-methoxymethylethoxy)propanol	: EC50: > 969 mg/l Exposure time: 72 h Species: Algae Growth inhibition
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) (2-methoxymethylethoxy)propanol	: NOEC: 0.5 mg/l Exposure time: 22 d

SAP 6.0

6 / 10

SDS Number: 000000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

no! Survival and growth
 Species: Daphnia magna (Water flea)
 flow-through test

Bioaccumulation
 (2-methoxymethylethoxy)propa
 no! : Bioconcentration factor (BCF): < 1

Biodegradability
 (2-methoxymethylethoxy)propa
 no! : aerobic
 Result: Readily biodegradable.
 79 %

Further information on ecology

Additional ecological
 information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of waste material in compliance with all federal, state, and
 local regulations.
 Recycle or dispose of container in trash.
 Contaminated packaging : Do not re-use empty containers.
 Rinse thoroughly before discarding in trash.
 Offer rinsed packaging material to local recycling facilities.

SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

IATA

UN number : 3267
 Description of the goods : Corrosive liquid, basic, organic, n.o.s.
 (CONTAINS SODIUM HYDROXIDE)
 Class : 8
 Packing group : III
 Labels : 8
 Environmentally hazardous : no

IMDG

UN number : 3267
 Description of the goods : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
 (CONTAINS SODIUM HYDROXIDE)
 Class : 8
 Packing group : III
 EmS Number 1 : F-A
 EmS Number 2 : S-B

Marine pollutant : no
 Environmentally hazardous : no

SAP 6.0

7 / 10

SDS Number: 0000000096%

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

Not recommended for shipment by air
Limited Quantity exemption possible

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Irritant
SARA 302 Reportable Quantity :
SARA 311/312 Hazards : Acute Health Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable Quantity :
SARA 304 Components : This material does not contain any components with a section 304 EHS RQ.

Massachusetts Right To Know Components : (2-methoxymethylethoxy)propanol 34590-94-8 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z. ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.
dodecylbenzenesulphonic acid 27176-87-0 CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

Pennsylvania Right To Know Components : water 7732-18-5
(2-methoxymethylethoxy)propanol 34590-94-8 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z. ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.
dodecylbenzenesulphonic acid 27176-87-0 CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

SAP 6.0

8 / 10

SDS Number: 000000009696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012

sodium hydroxide 1310-73-2 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z
ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances
NFPA49 national fire protection association 'hazardous chemicals data' substances (NFPA 49).
CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.
Toxic chemical release substances. 52 fr 21152 (6/4/87).
Subject to SARA Title III.

2,2'-iminodiethanol 111-42-2 ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances
Toxic chemical release substances. 52 fr 21152 (6/4/87).
Subject to SARA Title III.

**New Jersey Right To
Know Components**

: water 7732-18-5

(2-methoxymethylethoxy)propanol 34590-94-8 OSHA a. United states occupational safety and health administration substances, 29 cfr 1910.1000, sub part z.
ACGIH American conference of governmental industrial hygienists threshold limit value (TLV) substances
CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

dodecylbenzenesulphonic acid 27176-87-0 CERCLA hazardous substances. 40 cfr part 302. May be subject to emergency release notification under SARA Title III.

**California Prop. 65
Components**

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification

: Health hazard: 3
Flammability: 1
Physical hazards: 0

SAP 6.9

9 / 10

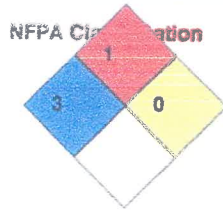
SDS Number: 000000000696

Material Safety Data Sheet
GREASED LIGHTNING® MULTI-PURPOSE CLEANER & DEGREASER

Version: 1.0

Revision Date: 12/20/2011

Print Date: 02/16/2012



Health hazard: 3
Fire Hazard: 1
Reactivity Hazard: 0

Other Emergency Phone Number

Latin America:	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
Mexico:		+52 555 004 8763

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



SAFETY DATA SHEET

Issue Date 27-Apr-2006

Revision Date 31-May-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Control Low Odor Mastic Remover

Other Means of Identification

SDS # GI-006

UN/ID No NA1993

Product Code 19105

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Mastic remover.

Details of the Supplier of the Safety Data Sheet

Supplier Address

Grayling Industries, Inc.
1008 Branch Drive
Alpharetta, GA 30004

Emergency Telephone Number

Company Phone Number 1-800-635-1551

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Inhalation (Vapors)	Category 3
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 4

Signal Word

DANGER

Hazard Statements

Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
May be fatal if swallowed and enters airways
Combustible liquid

**Appearance** Water white liquid**Physical State** Liquid**Odor** Aromatic**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep cool

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting
 In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed
 May be harmful in contact with skin

Other Hazards

Toxic to aquatic life with long lasting effects
 Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS
--

Chemical Name	CAS No	Weight-%
Aliphatic Hydrocarbon Solvent	64742-88-7	Proprietary
2-Butoxyethanol	111-76-2	Proprietary
Naphtha (petroleum), heavy aromatic	64742-94-5	Proprietary
Ethoxylated Nonylphenol	9016-45-9	Proprietary

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First Aid Measures**

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
Skin Contact	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.
Inhalation	After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Have patient lie down and keep warm. Call a physician or poison control center immediately.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Skin contact can lead to drying, defatting, itching, stinging and irritation. May cause severe irritation with redness, pain, and blurred vision. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause nausea, vomiting, stomach ache, and diarrhea.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use fire extinguishers with class B extinguishing agents. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media Water spray may be ineffective. If water is used, fog nozzles are preferable.

Specific Hazards Arising from the Chemical

Cool surrounding equipment, fire-exposed containers, and structures with water.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions	Use personal protective equipment as required.
Other Information	Keep unnecessary and unprotected personnel from entering.
Environmental Precautions	See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment	Stop the flow of material, if this is without risk. Dike and contain spill.
Methods for Cleaning Up	Absorb spillage with non-combustible, absorbent material. Mop up and dispose of spilled material.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Avoid breathing vapors or mists. Use only with adequate ventilation. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash face, hands, and any exposed skin thoroughly after handling. Do not get in eyes, on skin, or on clothing. Avoid free fall of liquid. Ground/bond container and receiving equipment. Do not flame, cut, braze weld or melt empty containers. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store large amounts in structures made for OSHA Class IIIA liquids. Keep containers closed when not in use and upright to prevent leakage. Store locked up.

Incompatible Materials

Strong oxidizing agents. Permanganates. Chromates. Peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

Appropriate Engineering Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Wear approved safety goggles.

Skin and Body Protection

Use impervious gloves. An apron or other impermeable body protection is suggested. Wear suitable protective clothing and footwear appropriate for the risk of exposure.

Respiratory Protection

Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2).

General Hygiene Considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State
Appearance
Color

Liquid
Water white liquid
Water white

Odor
Odor Threshold

Aromatic
Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	174-196 °C / 346-385 °F	
Flash Point	60 °C / 141 °F	Tag Closed Cup Lowest Component
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	0.9%	
Vapor Pressure	0.5 mm Hg	@20°C
Vapor Density	5.0	(Air=1)
Relative Density (Specific Gravity)	0.807	(1=Water) @ 68°F (20°C)
Water Solubility	Appreciable	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	260 °C / 500 °F	Lowest Component
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Additional Information	Refractive Index: 1.438	
	Mixed Aniline Point (Add Insol): 63°C/147°F	
VOC Content (%)	99%	
VOC Content	796.1 g/L	
Density	6.719 lbs/gal	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

Strong oxidizing agents. Permanganates. Chromates. Peroxides.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Inhalation	Toxic if inhaled.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aliphatic Hydrocarbon Solvent 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h
Ethoxylated Nonylphenol 9016-45-9	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity	Not classifiable as a human carcinogen.
-----------------	---

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Aspiration Hazard May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aliphatic Hydrocarbon Solvent 64742-88-7	450: 96 h Pseudokirchnerella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static		100: 48 h Daphnia magna mg/L EC50
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50		0.95: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
2-Butoxyethanol 111-76-2	0.81
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

DOT

UN/ID No	NA1993
Proper Shipping Name	Combustible liquid, n.o.s. (Petroleum distillates)
Hazard Class	Comb Liq
Packing Group	III

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Listed
DSL	Listed
EINECS	Listed
ENCS	Listed
KECL	Listed
AICS	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	Proprietary	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Aliphatic Hydrocarbon Solvent 64742-88-7	X		
2-Butoxyethanol 111-76-2	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	2	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	3	2	0	Not determined

Issue Date 27-Apr-2006
Revision Date 31-May-2013
Revision Note New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

C. Notifications

A 20 day notification will be filed with the Department of Labor & Industry

A 10 day notification will be filed with the Environmental Protection Agency

See attached copy of the permit application that will be filed.

☐ EMERGENCY WAIVER REQUEST

Approved by: _____

Date: _____



DUI PERMIT NUMBER:
(If amended, indicate the original permit number)

PERMIT APPLICATION AND NOTIFICATION FOR ASBESTOS REMOVAL AND DEMOLITION

Section 1 - Type of Notification (Check the box that indicates the type of notice you are submitting)				
<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Amendment/Revision	<input type="checkbox"/> Cancellation	<input type="checkbox"/> Blanket	<input type="checkbox"/> Phased
Section 2 - Type of Operation (Check the box that indicates the type operation you will be performing)				
<input checked="" type="checkbox"/> Asbestos Removal	<input type="checkbox"/> Emergency Asbestos Removal	<input type="checkbox"/> Asbestos Removal & Demolition	<input type="checkbox"/> Demolition	<input type="checkbox"/> Encapsulation
Section 3 - Facility Owner Information				
Name: James Madison University				
Address: 181 Patterson Street				
City: Harrisonburg		State: Virginia	Zip: 22807	
Contact: Frank Viscomi		Telephone #: 540-574-4076		
Section 4 - Asbestos Removal Contractor Information (complete ALL of Section 4, if this is a Removal/Abatement Operation)				
Name: Waco Inc. - Mt. Crawford		License #: 3306 000065		
Federal Employer ID #: [REDACTED]				
Address: 844 Cottontail Trail				
City: Mt. Crawford		State: Virginia	Zip: 22841	
Contact: Larry Battaille		Telephone #: 540-434-7390		
Section 5 - Demolition Contractor Information (complete ALL of Section 5, if this is a Demolition Operation)				
Name: N/A				
Address: _____				
City: _____		State: _____	Zip: _____	
Contact: _____		Telephone #: _____		
Section 6 - Facility Information				
Building Name: Warren Campus Center Post Office				
Address: 170 Bluestone Drive				
City: Harrisonburg		State: VA	Zip: 22807	
Site Location: 2nd Floor		Building Size: 60,000	# of Floors: 5	Age in Years: 44
Present Use:				
<input type="checkbox"/> Bridge	<input type="checkbox"/> Military/Federal	<input checked="" type="checkbox"/> School/College	<input type="checkbox"/> Bridge	
<input type="checkbox"/> Commercial	<input type="checkbox"/> Office	<input type="checkbox"/> Ship/Maritime	<input type="checkbox"/> Military/Federal	
<input type="checkbox"/> Church/Place of Worship	<input type="checkbox"/> Public Building	<input type="checkbox"/> Vacant	<input type="checkbox"/> School/College	
<input type="checkbox"/> Industrial/Manufacturing	<input type="checkbox"/> Residential	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Ship/Maritime	
			<input type="checkbox"/> Church/Place of Worship	
			<input type="checkbox"/> Public Building	
			<input type="checkbox"/> Vacant	
			<input type="checkbox"/> Industrial/Manufacturing	
			<input type="checkbox"/> Residential	
			<input type="checkbox"/> Other: _____	
Section 7 - Work Schedules				
Check if this section is being revised from a previous submittal <input type="checkbox"/>				
Removal/Abatement (Submit notification 20 calendar days prior to start)				
Start: 6/1/15		Finish: 7/2/15		
Days of Operation: <input type="checkbox"/> Mon.-Fri. <input type="checkbox"/> Sat.-Sun.				
Other: <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tues <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input type="checkbox"/> Fri <input type="checkbox"/> Sat <input type="checkbox"/> Sun				
Demolition (Submit notification 10 working days prior to start)				
Start: N/A		Finish: _____		
Hours of Operation: 7:00 am - 5:30 pm				
Comments: _____				

IS ASBESTOS PRESENT? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> To be removed prior to demolition				
Section 8 - ACM To Be Removed			Check if this section is being revised from a previous submittal <input type="checkbox"/>	
Indicate the amount of ACM (Asbestos Containing Material) to be removed, encapsulated, enclosed, etc.			Indicate the amount and type (floor tile, roofing, etc.) of nonfriable Category I and/or Category II ACM that will not be removed prior to demolition. (Indicate whether in ft, sq ft, or cu ft.)	
Description	Amount		Description	Amount Units
Pipe (linear feet)	0	Linear Feet		
Surface Area (square feet)	12599	Square Feet	Category I	N/A
Facility Component (cubic feet)	3000	Cubic Feet	Category II	N/A
Section 9 - Work Procedures			Check if this section is being revised from a previous submittal <input type="checkbox"/>	
Procedure, including analytical method, if appropriate, used to detect the presence of asbestos: <input checked="" type="checkbox"/> PLM <input type="checkbox"/> TEM <input type="checkbox"/> Presumed ACM				
Inspector: Reggie Simmons			License#: 3303 000098	
Asbestos Removal or Demolition Work Practices to be Used (Check all that apply)				
Asbestos Removal <input checked="" type="checkbox"/> Containment <input checked="" type="checkbox"/> Wet Methods <input checked="" type="checkbox"/> Negative Pressure <input type="checkbox"/> Glove Bag <input type="checkbox"/> Other - Description of work practices and engineering controls to be used to prevent emissions of asbestos if procedures other than approved methods will be used:			Demolition <input type="checkbox"/> Bulldozer/Loader <input type="checkbox"/> Hand/Manual Methods <input type="checkbox"/> Live Burn Training <input type="checkbox"/> Other <input type="checkbox"/> Wrecking Ball <input type="checkbox"/> Impulse/Explode	
Description of procedures to be followed in the event that unexpected asbestos is found or previously nonfriable asbestos material becomes crumbled, pulverized, or reduced to powder: Asbestos will be controlled and DLI will be notified as required.				
Section 10 - Emergency Waiver Request				
Check the Emergency Waiver Request box on page 1 and attach a letter from the facility owner explaining the nature of the emergency.				
Date and Hour of Emergency: _____ Time: _____				
Description of Sudden, unexpected event: Contractor cut into block wall. Block wall had asbestos fireproofing in it that had fallen from a previous abatement project.				
Explanation of how the event caused unsafe conditions or would cause equipment damage: _____				
Section 11 - Demolition Ordered by A Government Agency				
Name: N/A			Title: _____	
Authority: _____				
Date Ordered: _____			Date Demolition Ordered to Begin: _____	
Section 12 - Transporters and Waste Disposal Site			Check if this section is being revised from a previous submittal <input type="checkbox"/>	
Transporter #1: Waco Inc.				
Address: 844 Cottontail Trail				
City: Mt. Crawford		State: Virginia		Zip: 22841
Contact: Bobby Taylor		Telephone: 540-434-7390		
Transporter #2: Ham Landfill				
Address: 519 Roy Martin Rd				
City: Peterstown		State: WV		Zip: 24963
Contact: David Humphrey		Telephone: 304-753-9470		
Waste Disposal Site: Ham Sanitary Landfill				
Address: 519 Roy Martin Rd				
City: Peterstown		State: W. VA		Zip: 24963
Contact: David Humphrey		Telephone: 304-753-9470		Landfill permit#: SWF-2032

Section 13 - Fees The asbestos project permit fee, when applicable, MUST be submitted with the completed project notification form. The fee shall be in accordance with the following schedule unless a blanket notification (as described below) is granted. If the amount of the asbestos is reported in both linear feet and square feet the amounts will be added and treated as if the total were all in square feet. The asbestos project permit fee may be paid by check, money order, or credit card (VISA and MASTERCARD only). Make checks payable to the TREASURER OF VIRGINIA . If payment is made by credit card, complete the Credit Card Authorization Form and submit with the application.	
<input type="checkbox"/> \$50 - 10 linear feet or 10 square feet up to and including 260 linear feet or 160 square feet <input type="checkbox"/> \$160 - 261 linear feet or 161 square feet up to and including 2600 linear feet 1600 square feet <input checked="" type="checkbox"/> \$470 - 2601 linear feet or 1601 square feet or more. <input type="checkbox"/> \$15 - amended notification <input type="checkbox"/> Blanket notification - 0.5% of the contract price or \$470 whichever is greater. A blanket notification, valid for a period of one year, may be granted to a contractor who enters into a contract for asbestos removal or encapsulation on a specific site which is expected to last one year. Include copy of the contract with the notification. Contract price \$ _____ X .005 (5%) = \$ _____. <input type="checkbox"/> \$0 - Residential buildings with four or fewer units and are currently in use or intended for use only for residential purposes are exempt from asbestos project permit fees. <input type="checkbox"/> \$0 - An asbestos project permit fee is not required for asbestos removal at Federal Government properties, military installations, ships, maritime and demolition operations.	
Enter the total fee due for the project: \$ 470	
Section 14 - Certification Check if this section is being revised from a previous submittal <input type="checkbox"/> I certify that an individual trained in the provisions of the NESHAP regulations will be on-site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available at the project site for inspection. (40 CFR Part 61, Subpart M, required after November 20, 1991)	
Supervisor: TBD Project Monitor: Reggie Simmons Project Designer: N/A Laboratory: Ameri Sci	License #: _____ License #: 3309 000028 License #: _____ License #: 3333 000266
I certify that the information submitted is accurate to the best of my knowledge and that accredited persons are being used on this project. Name: Bobby Taylor Title: Senior Project Manager Signature: _____ Date: _____	
Please make sure that all required fields have been completed. Incomplete notifications will not be processed.	
Section 15-Submission Address notifications as described below:	
Original notifications must be sent by FAX, certified mail, or hand delivered to the department at the address below. DEPARTMENT OF LABOR AND INDUSTRY Attention: Accounting/Finance Main Street Centre 600 East Main Street, Suite 207 RICHMOND, VA 23219 FAX (804) 371-7634	The US EPA must also be notified for demolition operations and renovation operations when the amount of RACM disturbed is at least 160 sq. ft./260 lin. ft./35 cu. ft. This form may be used to fulfill this requirement. Notifications required by the US EPA must be <u>mailed</u> to the address below: ASBESTOS COORDINATOR USEPA REGION III MAIL CODE 3LC62 1650 ARCH STREET PHILADELPHIA, PA 19103-2029
For additional information concerning the completion of this form, please contact the Virginia Department of Labor and Industry Lead and Asbestos Program at (804) 786-9865 or visit our web site at http://www.doli.virginia.gov/leadasbestos/leadasbestos_intro.html	

D. Laboratory

American Science
Bio-Chem, Inc.
13635 Genito Rd
Midlothian, VA 23112
Phone: 866-713-4485
Fax: 804-763-0493
www.amerisci.com
License # 3333 000266

E. Training

1. Scott Harper

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

2. Adam Myers

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

3. Michael Norton

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

4. Hector Pacheco

- A. Asbestos Supervisors License
- B. Refresher Certificate
- C. Respirator Fit Test

List of workers may be changed or added. Revised list and proper documentation will be supplied prior to the start of the project.

DPOR License Lookup License Number 3302006436**License Details**

Name	HARPER, SCOTT
License Number	3302006436
License Description	Asbestos Supervisor License
Rank	Asbestos Supervisor
Address	GOSHEN, VA 24439-0000
Initial Certification Date	1997-11-25
Expiration Date	2015-05-31

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The disciplinary action information in this application was last updated at Wed Apr 08 02:50:18 EDT.

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