

GRAYLING INDUSTRIES, INC.
MATERIAL SAFETY DATA SHEET – ODORLESS MASTIC REMOVER

This Material Safety Data Sheet (MSDS) conforms to the requirements of ANSI Z400.1.
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name: **ODORLESS MASTIC REMOVER**
Item Number: 19175

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

Date Prepared: May 19, 2006
Date Superseded: January 27, 2005

EMERGENCY PHONE NUMBER:
1.800. 535.5053 (Infotrac)

INFORMATION: 1.800. 635.1551

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

	<u>CAS Number</u>
Medium Aliphatic Solvent Naphtha	64742-88-7
2 (2-Butoxyethoxy) Ethanol	112-34-5
Surfactant	

SECTION 3. HAZARDS IDENTIFICATION

RISK STATEMENTS:

R65 Harmful: may cause lung damage if swallowed.
R36 / 37 / 38 Irritating to eyes, respiratory system and skin.

SAFETY STATEMENTS:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 4. FIRST AID MEASURES

Eye Contact:

For eyes, flush with plenty of water for 15 minutes and get medical attention.

Skin Contact:

In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap and water. Wash contaminated clothing before reuse.

Inhalation:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen.
If breathing has stopped give artificial respiration. **CALL A PHYSICIAN IMMEDIATELY!**

SECTION 4. FIRST AID MEASURES (CONTINUED)

Swallowing:

If swallowed, **CALL A PHYSICIAN IMMEDIATELY! DO NOT INDUCE VOMITING.**
Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class IIIA liquid fires.

Special Fire Fighting Procedures

Water spray may be ineffective on fire, but can protect fire-fighters and cool closed containers.

Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear.

(Helmet with face shield, bunker coats, gloves, and rubber boots)

Use NIOSH approved positive-pressure self-contained breathing apparatus.

Unusual Explosion and Fire Procedures

COMBUSTIBLE!

Keep container tightly closed.

Isolate from oxidizers, heat, and open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

Containment Techniques

Stop spill at source. Dike area and contain.

Clean-Up Procedures:

Clean up remainder with absorbent materials. Mop up and dispose.

SECTION 7. HANDLING AND STORAGE

Handling

Isolate from oxidizers, heat, and open flame.

Use only with adequate ventilation. Avoid breathing of vapor, or spray mist.

Do not get in eyes, on skin, or clothing.

Wear OSHA Standard goggles, or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron, and footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring.

Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!

Storage:

Store large amounts in structures made for OSHA Class IIIA liquids.

Keep container tightly closed and upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Exposure Controls

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 Requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Ventilation

Local Exhaust	: Necessary
Mechanical (General)	: Acceptable
Special	: None
Other	: None

Personal Protection

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron, and footwear impervious to this material. Wash clothing before reuse.

Work and Hygienic Practices

Provide readily accessible eye wash stations and safety showers.

Wash at end of each work shift and before eating, smoking, or using the toilet.

Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles.

Launder or discard contaminated clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, Water-White
Odor:	Mild
Boiling Range:	193° 201° 223°* C / 381° 394° 435°* F (*=End Point)
Auto Ignition Temperature:	260° C / 500° F (Lowest Component)
Lower Flammable Limit In Air (% by vol):	0.9
Flash Point (Test Method)	60° C / 141° F (TCC) (Lowest Component)
Flammability Classification:	Class IIIA
Gravity @ 60° F :	
API:	44.1
Specific Gravity (Water=1) :	0.806
Pounds/Gallon:	6.713
VOC'S (>0.44 lbs/Sq.Inch)	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC's (TVOC):	89.0 Vol. % / 700.4 g/L / 5.834 Lbs/Gal
Nonexempt VOC's (CVOC):	89.0 Vol. % / 700.4 g/L / 5.834 Lbs/Gal
Hazardous Air Pollutants (HAPS):	11.9 Wt. % / 95.5 g/L / 0.795 Lbs/Gal
Vapor Pressure (mm of Hg) @20°C	0.4
Nonexempt VOC Partial Pressure (mm of Hg @ 20°C)	0.4
Vapor Density (air=1) :	5.3
Water Absorption:	Appreciable
Refractive Index:	1.436

SECTION 10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Isolate from oxidizers, heat, and open flame.

Materials to Avoid

Isolate from strong oxidizers such as permanganates, chromates, and peroxides.

Hazardous Decomposition Products

Carbon Monoxide, Carbon Dioxide, Carbon Oxides from burning.

Hazardous Polymerization

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Material	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Medium Aliphatic Solvent Naphtha	*64742-88-7	5 mg/m ³	5 mg/m ³	NO
2(2-Butoxyethoxy) ethanol	112-34-5	None Known	25 ppm	YES
Surfactant		None Known	None Known	NO

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):

Cumene, Polycyclic Aromatics

Material	CAS#	Ceiling	STEL (OSHA / ACGIH)
		None Known	None Known

ACUTE HAZARDS

Eye & Skin Contact:

Primary irritation to skin, defatting, dermatitis.

Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.

Liquid can cause eye irritation. Wash thoroughly after handling.

Inhalation:

Anesthetic. Irritates respiratory tract.

Acute overexposure can cause serious nervous system depression.

Vapor harmful.

Swallowing:

Harmful or fatal if swallowed.

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

Conditions Aggravated

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

Cancer, Reproductive & other Chronic Hazards:

Leukemia been reported in humans from Benzene.

CHRONIC HAZARDS (CONTINUED)

This product contains less than 1 ppm of Benzene.
Not considered hazardous in such low concentrations.
Absorption thru skin may be harmful.

SECTION 12. ECOLOGICAL INFORMATION

Mammalian Information:

Material	CAS #	LOWEST KNOWN LETHAL DOSE DATA LOWEST KNOWN LD50 (ORAL)
Diethylene Glycol Butyl Ether	112-34-5	6560.0 mg/kg (Rats)

Aquatic Animal information:

No aquatic environmental information is available on this product.

Mobility

This material is a mobile liquid.

Degradability

This product is partially biodegradable.

Accumulation

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATION

Recycle / dispose of observing national, regional, state, provincial, and local health, safety, and pollution laws. If questions exist, contact the appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name: Bulk:

Combustible Liquid, n.o.s. NA1993, PG-III

(Medium Aliphatic Solvent Naphtha, 2(2-Butoxyethoxy) ethanol)

Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.

Drum Label: None (Combustible Liquid)

IATA / ICAO: None

IMO / IMDG: None

Emergency Response Guidebook Number: 128

SECTION 15. REGULATORY INFORMATION

EPA Regulation:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA Title III Ingredients	CAS#	WT. % (REG. SECTION)	RQ(LBS)
*2(2-Butoxyethoxy) ethanol	112-34-5	11 (313)	None

SECTION 15. REGULATORY INFORMATION (CONTINUED)

State Regulations:

This product meets requirements of Southern California
AQMD Rule 443.1 and similar regulations.

International Regulations:

The components of this product are listed on the chemical inventories of the following countries:
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 2, REACTIVITY: 0

This information is intended solely for the use of individuals trained in the NFPA & HMIS
Hazard rating systems.

EMPLOYEE TRAINING:

Employees should be made aware of all hazards of this material (as stated in this MSDS)
before handling it.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific
use, with respect to the product or the information provided herein, except for conformation to
contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized
technical sources. While the information is believed to be accurate, we make no representations as
to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data
under their own operating conditions to determine whether the product is suitable for their particular
purposes and they assume all risks of their use, handling, and disposal of the product. Users also
assume all risks in regards to the publication or use of, or reliance upon, information contained
herein.

This information relates only to the product designated herein, and does not relate to its use in
combination with any other material or process.

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