

GRAYLING INDUSTRIES, INC.
MATERIAL SAFETY DATA SHEET – CONTROL GREEN Low Odor 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: **CONTROL GREEN Low Odor Mastic Remover**

Item Number: 19205

MANUFACTURER:

Grayling Industries, Inc.

1008 Branch Drive

Alpharetta, GA 30004

Date Prepared: March 1, 2010

Date Superseded: July 1, 2009

EMERGENCY PHONE NUMBER:

1.800.535.5053 (Infotrac)

INFORMATION: 1.800.635.1551

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS Number</u>
Hydrotreated Light Distillate	64742-47-8
Surfactant	9016-45-9
2 (2-Butoxyethoxy) Ethanol	112-34-5

SECTION 3. HAZARDS IDENTIFICATION

RISK STATEMENTS:

R36 / 37 / 38

Irritating to eyes, respiratory system and skin.

R65

Harmful: May cause lung damage if swallowed.

Safety Statement:

S2

Keep Out of Reach of Children.

S23

Do Not Breath Gas, Fumes, Vapor or Spray.

S24

Avoid Contact with Skin.

S26

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

S62

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

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 skin 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.

SECTION 4. FIRST AID MEASURES (CONTINUED)

If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). **CALL A PHYSICIAN immediately!**

Swallowing:

Rinse Mouth. Do **NOT** induce vomiting! **GET MEDICAL ATTENTION IMMEDIATELY.**
Do **NOT** give liquids to an unconscious or convulsing person.

SECTION 5. FIRE FIGHTING MEASURES

Fire & Explosion Prevention Measures:

No open flames. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

Extinguishing Media:

Use dry powder, AFFF, foam, carbon dioxide.

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 is very hazardous! Continue all label precautions !

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protective Measures:

Keep unprotected personnel away.
Filter Respirator for organic vapors.

Containment Techniques:

Stop spill at source. Dike and contain.
Do not wash away into sewer.

Clean-Up Procedures:

Clean up remainder with absorbent material. 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 on 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 is very hazardous! Continue all label precautions!

Storage:

Isolate from strong oxidants. 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

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

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 DATA

Appearance:

Liquid, Light Green

Odor:

Mild

Boiling Range:

213° 222° 242°* C / 417° 433° 468°* F (*=End Point)

Auto Ignition Temperature:

254° C / 490° F (Lowest Component)

Lower Flammable Limit In Air (% by vol):

0.9

Flash Point (Test Method)

79° C / 175° F (TCC) (Lowest Component)

Flammability Classification:

Class IIIA

Gravity @ 68/68° F / 20/20° C:

API:

41.7

SECTION 9. PHYSICAL DATA (CONTINUED)

Specific Gravity (Water=1) :	0.817
Pounds/Gallon:	6.807
VOC'S (>0.44 lbs/Sq. In.)	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC):	89.0 Vol. % / 711.1 g/L / 5.923 Lbs/Gal
Nonexempt VOC'S (CVOC):	89.0 Vol. % / 711.1 g/L / 5.923 Lbs/Gal
Hazardous Air Pollutants (HAPS):	11.7 Wt. % / 95.5 g/L / 0.795 Lbs/Gal
Vapor Pressure (mm of Hg) @20°C	0.1
Nonexempt VOC Partial Pressure (mm of Hg @ 20°C)	0.1
Vapor Density (air=1) :	6.1
Water Absorption:	Appreciable
Refractive Index:	1.441
Mixed Aniline Point (Acid Insol):	71°C / 160°F

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Isolate from oxidizers, heat, and open flame.

Materials to Avoid: Reacts with strong oxidants, causing fire & explosion hazard

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, from burning.

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS#	TWA (OSHA)	TLV (ACGIH)	HAP
Hydrotreated Light Distillate	64742-47-8	5 mg/m3	5 mg/m3	NO
Surfactant	9016-45-9	None Known	None Known	NO
2 (2-Butoxyethoxy) Ethanol	112-34-5	None Known	25 ppm	YES

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.

The symptoms of chemical pneumonitis may not show up for a few days.

SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

SUBCHRONIC HAZARDS / CONDITIONS AGGREGATED

CONDITIONS AGGREGATED:

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

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Leukemia has been reported in humans from Benzene.
Absorption thru skin may be harmful.

SECTION 12. ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA LOWEST KNOWN LD50 (ORAL)
Nonylphenol Ethoxylate	9016-45-9	3000.0 mg/kg (Rats)

AQUATIC ANIMAL INFORMATION:

No aquatic environmental information is available on this product.
Environmental effects of the substance have not been investigated adequately.

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

Processing, use or contamination may change the waste management options.
Recycle / dispose of observing national, regional, state, provincial and local health, safety, and pollution laws. If in doubt, contact appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME:

BULK: Compound Cleaning Liquid, Combustible liquid, NA1993, PG-III
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 & of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS #	WT. % (REG.SECTION)	RQ (LBS)
*2 (2-Butoxyethoxy) Ethanol	112-34-5	11 (313)	None

STATE REGULATIONS

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & 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:

See section 3 for Risk & Safety Statement. 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.