



Safety Data Sheet

Issue Date 17-Dec-2007

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Version 1

1. IDENTIFICATION

Product Name CONTROL GREEN Low Odor Mastic Remover

MSDS # GI-002-CA

UN/ID No NA1993

Recommended Use Mastic remover

Supplier Address

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

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

EMERGENCY OVERVIEW

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

Appearance Light green liquid **Physical State** Liquid. **Odor** Mild

Potential Health Effects

Acute Toxicity

Eyes Causes serious eye irritation
Skin Irritating to skin
Inhalation May cause irritation of respiratory tract
Ingestion May be fatal if swallowed and enters airways

Chronic effects No known effect based on information supplied

Symptoms Skin contact can lead to drying, defatting, itching, stinging and irritation. Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, 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.

Aggravated Medical Conditions None known

Environmental Hazard See Section 12: ECOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Petroleum distillates, hydrotreated light	64742-47-8	Proprietary
Diethylene glycol monobutyl ether	112-34-5	Proprietary
Ethoxylated Nonylphenol	9016-45-9	Proprietary

4. 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
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	Rinse mouth Do not induce vomiting Never give anything by mouth to an unconscious person Seek medical attention immediately
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable properties	Combustible liquid
Flash Point Method	175 °F / 79 °C Tag Closed Cup Lowest Component
Suitable Extinguishing Media	Dry powder AFFF Foam Carbon dioxide (CO2)
Unsuitable Extinguishing Media	Water spray may be ineffective. If water is used, fog nozzles are preferable
Explosion Data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None
Specific Hazards Arising from the Chemical	Cool containers exposed to flames with water until well after the fire is out. Heat may cause the containers to explode. Keep product and empty container away from heat and sources of ignition
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	Wear respiratory protection For large spills, evacuate the hazard area of unprotected personnel
Environmental Precautions	Do not allow into any sewer, on the ground or into any body of water See Section 12 for additional Ecological Information
Methods for Containment	Stop the flow of material, if this is without risk Dike and contain spill
Methods for Clean-Up	Soak up with inert absorbent material Mop up and dispose of spilled material

7. HANDLING AND STORAGE

Advice on Safe Handling Use with adequate ventilation Avoid breathing vapors or mists Do not get in eyes, on skin, or on clothing Use personal protection recommended in Section 8 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 Wash face, hands, and any exposed skin thoroughly after handling Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place Store away from incompatible materials Store locked up

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light 64742-47-8	100 ppm	500 ppm	

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

Personal protective equipment (PPE)

Skin and Body Protection Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure

Eye/Face Protection Wear approved safety goggles

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Light green liquid	Odor Threshold	Not determined
Color	Light green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	213-242 °C / 417-468 °F	
Flash Point	79 °C / 175 °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	0.1 mm Hg	@20°C
Vapor Density	6.1	(Air=1)
Specific Gravity	0.817	(1=Water)
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	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Additional Information	Refractive index: 1.441	
	Mixed Aniline Point (Acid Insol): 71°C/160°F	
VOC Content (%)	99%	
Density	6.807 lb/gal	

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Materials	Strong oxidizing agents
Conditions to Avoid	Heat, flames and sparks Contact with incompatible materials
Hazardous Decomposition Products	Carbon monoxide Carbon dioxide (CO2)
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation	Avoid breathing vapors or mists
Eye Contact	Causes serious eye irritation
Skin Contact	May be harmful in contact with skin
Ingestion	May be harmful if swallowed

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Diethylene glycol monobutyl ether	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	
Ethoxylated Nonylphenol	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	

Chronic toxicity

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
Target organ effects	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated light		45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50
Diethylene glycol monobutyl ether	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50

Persistence/Degradability This product is partially biodegradable.

Mobility This material is a mobile liquid.

13. DISPOSAL CONSIDERATIONS

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

Contaminated Packaging Do not reuse container

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

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

IATA Not regulated

IMDG Not regulated

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

DSL	Listed
EINECS	Listed
ENCS	Listed
KECL	Listed
AICS	Listed

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum distillates, hydrotreated light	Present	X		Present		Present	X	Present	X	X
Diethylene glycol monobutyl ether	Present	X		Present		Present	X	Present	X	X
Ethoxylated Nonylphenol	Present	X				Present	X	Present	X	X

DSL/NDSL - 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
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Diethylene glycol monobutyl ether		X	X

International Regulations

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

Class D, Div. 2

Class B, Div. 3



16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 1	Flammability 2	Stability 0	Special Hazards -
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical Hazards 0	Personal Protection -

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Disclaimer

The information provided in this Material 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