

SAFETY DATA SHEET

Issue Date 18-Jan-2013

Revision Date 31-May-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Control Carpet Adhesive Remover

Other Means of Identification

SDS # GI-011

Product Code 19235

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Adhesive 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

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Signal Word

DANGER

Hazard Statements

Causes severe skin burns and eye damage



Appearance Water white liquid

Physical State Liquid

Odor Mild amine

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	Proprietary
2-(2-butoxyethoxy)ethanol	112-34-5	Proprietary
Ethoxylated Nonylphenol	9016-45-9	Proprietary
Monoethanolamine	141-43-5	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. "Roll" eyes to expose more surface. Seek immediate medical attention/advice.
- Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Rinse skin with plenty of cool running water. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. 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. Burning and/or irritation to eyes and skin. 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

Dry powder. Carbon dioxide (CO2). Water spray (fog). AFFF.

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 oxides. Nitrogen oxides (NOx).

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 Prior training/planning is recommended. Use personal protective equipment as required. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Environmental Precautions Prevent run off to storm sewers and ditches leading to natural waterways. Local authorities should be advised if significant spillages cannot be contained.

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. Close or cap valve and/or plug hole in leaking container and transfer material to another container.

Methods for Cleaning Up Absorb spillage with non-combustible, absorbent material. Shovel into secured lid container for proper disposal. Clean up in accordance with all applicable regulations. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Use only with adequate ventilation. Avoid breathing vapors or mists. Do not get in eyes, on skin, or on clothing.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. Keep containers closed when not in use and upright to prevent leakage. Protect from direct sunlight. Store away from light sources or sources of intense heat. Protect from freezing.

Packaging Materials Do not store in aluminum, copper, brass or iron containers.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Monoethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³

Appropriate Engineering Controls

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

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** Seek professional advice prior to respirator selection and use. Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Mild amine
Appearance	Water white liquid	Odor Threshold	Not determined
Color	Water white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	12.0	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	101-235 °C / 214-455 °F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Non-combustible	
Lower Flammability Limit	Non-combustible	
Vapor Pressure	17.4 MM Hg	@20°C
Vapor Density	0.704	(Air=1)
Relative Density (Specific Gravity)	0.999	(1=Water)
Water Solubility	Completely soluble	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Additional Information	Refractive Index: 1.34	
	Mixed Aniline Point (Acid Insol):76°C/169°F	
VOC Content (%)	1.5%	
VOC Content	15.0 g/L	
Density	8.323 lb/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

Excessive heat and fire. Incompatible Materials.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-butoxyethoxy)ethanol 112-34-5	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Ethoxylated Nonylphenol 9016-45-9	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	-
Monoethanolamine 141-43-5	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product may be harmful or fatal to plant and animal life if released into the environment. The most sensitive known aquatic group to any component of this product is: Daphnia Magna exposed to 140 ppm or mg/L are adversely affected by components of this product

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-(2-butoxyethoxy)ethanol 112-34-5	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
Monoethanolamine 141-43-5	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		65: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

This product is completely biodegradable

Bioaccumulation

Not determined

Mobility

This material is a mobile liquid

Chemical Name	Partition Coefficient
Monoethanolamine 141-43-5	-1.91

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 Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

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

Legend:

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

US Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard Yes

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-(2-butoxyethoxy)ethanol - 112-34-5	112-34-5	Proprietary	1.0

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-butoxyethoxy)ethanol 112-34-5	X		X
Monoethanolamine 141-43-5	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 1	Flammability 0	Instability 0	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 2	Flammability 0	Physical Hazards 0	Personal Protection Not determined

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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