

Issuing date : 1-09-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product name GREASEAWAY

Product number GA-41

UN/ID No UN3266

Recommended use Heavy Duty Alkaline Solvent Degreaser

Distributor USALEASEINC USA SUPPLY
1528 Delmar St.
West Columbia,S.C. 29169

Company Emergency Phone Number 803-269-1588

Chemical Emergency Phone Number 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

DANGER!

Odor ether
Glycol

Emergency Overview

Corrosive; causes burns to eyes and skin.
Harmful by inhalation, in contact with skin and if swallowed

Appearance Clear, Thin Liquid

Physical state Liquid.



OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Acute toxicity

Eyes

Corrosive - causes irreversible eye damage

Skin

Contact causes severe skin irritation and possible burns May be absorbed through the skin in harmful amounts

Inhalation

Irritating to respiratory system May cause central nervous system depression with nausea, headache, dizziness, and incoordination

Ingestion

Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock.

Chemical Name	CAS-No	Weight %
2-Butoxyethanol	111-76-2	< 2%
Sodium hydroxide	1310-73-2	< 8%
4. FIRST AID MEASURES		

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Immediately flush eyes with large amounts of water for 15 minutes or until irritation subsides. Call for prompt medical attention.
Skin contact	Remove contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of water. Use soap if available. Seek medical attention.
Inhalation	Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing, give artificial respiration. Call for prompt medical attention.
Ingestion	Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
Notes to physician	Treat symptomatically Probable mucosal damage may contraindicate the use of gastric lavage
Protection of First-aiders	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

5. FIRE-FIGHTING MEASURES

Flammable Properties	Contains flammable substances dissolved in water in low concentrations.			
Flash point	> 200 °F > 93 °C			
Method	TCC			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment			
Unsuitable Extinguishing Media	This product contains alcohols which will reduce the effectiveness of normal foam. Use alcohol-resistant foam instead.			
Hazardous Combustion Products	Ammonia Carbon monoxide Nitrogen oxides (NOx)			
Explosion Data				
Sensitivity to Mechanical Impact	None.			
Sensitivity to Static Discharge	None.			
Specific hazards arising from the chemical	Corrosive or strongly alkaline liquid. Concentrate product solution in contact with aluminum releases hydrogen gas.			
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			
NFPA	Health Hazard 3	Flammability 0	Stability 1	Physical and chemical hazards COR Personal protection -
HMIS	Health Hazard 3	Flammability 0	Physical Hazard 0	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin, eyes and clothing Use personal protective equipment Ensure adequate ventilation
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Neutralization is normally necessary before waste water is discharged into water treatment plants.
Methods for Containment	Prevent further leakage or spillage if safe to do so Contain spill. Neutralize with mild acid solution. Flush residue with large volumes of water.
Methods for cleaning up	Mop up & flush neutralized material to sewer with plenty of water.
Other information	Common Weak Acids suitable for neutralizing caustic alkalis: acetic acid, citric acid, lemon juice, tartaric acid, vinegar.

7. HANDLING AND STORAGE

Advice on safe handling

Do not eat, drink or smoke when using this product Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

Technical measures/Storage conditions

Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Review Section 3 & 4 for 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 S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³
Sodium hydroxide 1310-73-2		TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location. Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment Institutional Environment

Eye/Face Protection	Tightly fitting safety goggles
Consumer Environments	Care should be taken to avoid Eye contact.
Skin and body protection	Rubber gloves
Respiratory protection	Ensure adequate ventilation
Hygiene measures	Practice good personal hygiene. Wash after handling.

Appearance	Clear Thin Liquid	Odor	Glycol ether
Color	Colorless		

Property	Values	Remarks • Methods
pH	13.1 ± 0.5	
Melting/freezing point	NA	No data available
Freezing Point		No data available
Boiling point/boiling range	> 100 °C / 212 °F	Estimated
Flash Point	> 93 °C > 200 °F	TCC
Evaporation rate	<1	
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
Upper flammability limit		
Lower flammability limit		
Explosion		
Limits Upper		
lower		
Vapor pressure	NA	No information available
Vapor density	NIF	No information available
Specific Gravity	1.028 ± 0.005	
Water solubility	Completely Soluble	Completely soluble.
Solubility in other solvents		No information available
Partition coefficient:	n-	No information available
octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		

9.2 Other information < 5%
VOC Content(%)

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

Incompatible products Strong oxidizing agents, acids, aluminum and other soft met;

Conditions to Avoid None known based on information supplied **Hazardous**

Decomposition ProductsHydrogen gas in contact with some metals.

Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Harmful by inhalation, in contact with skin and if swallowed.

Inhalation Inhalation may cause severe respiratory irritation and pulmonary

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

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

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Large amounts will affect pH and harm aquatic organisms Neutralization is normally necessary before waste water is discharged into water treatment plants.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
2-Butoxyethanol		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
Sodium hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Chemical Name		log Pow		
2-Butoxyethanol		0.81		

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated packaging Do not re-use damaged empty containers. Otherwise can recycle with same product in.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
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PICCS	Complies
AICS	Complies

TSCA - All components of this product are listed or are exempt or excluded from listing on the 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 Commercial Chemical Substances/EU 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

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared USAL EASE INC USASUPPLY Issuing date : 1-09-15

BY 1528 Delmar St West Columbia, S.C. 29169

Revision Note

2.

Disclaimer

The information provided on this SDS 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.

Safety Data Sheet