

Safety Data Sheet



Revision Date 25-Oct-2013
Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name DegreaseAll
Product code LG-F1140
Recommended Use Degreaser, Cleaning product

Supplier ProRestore Products
1016 Greentree Road, Suite 115
Pittsburgh, PA 15220
Phone: (412) 264-8340

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards identification

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Potential Health Effects

Acute toxicity

Eyes Irritating to eyes.

Skin May cause skin irritation.

Inhalation May be harmful if inhaled. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions None known.

Environmental hazard See Section 12 for additional Ecological Information.

3. Composition/information on ingredients

Hazardous Components

Chemical Name	CAS-No	Weight %
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	10-30
Sodium Metasilicate	6834-92-0	1-10

4. First aid measures

General advice	Show this material safety data sheet to the doctor in attendance. Immediate medical attention is required.
Eye contact	Call a physician immediately. Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Skin contact	Call a physician immediately. Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Use a mild soap if available.
Inhalation	Move to fresh air. Consult a physician after significant exposure. Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
Ingestion	Call a physician immediately. Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Risk of product entering the lungs on vomiting after ingestion.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Flammable Properties	Not flammable.
Flash point	219 °F / 104 °C
Suitable extinguishing media	Use water spray, fog, Carbon dioxide (CO ₂), foam or dry chemical.
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
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	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

7. Handling and storage

Advice on safe handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation.
Technical measures/Storage conditions	Keep locked up or in an area accessible only to qualified or authorised persons. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container.

8. Exposure controls/personal protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	TWA: 10 ppm inhalable fraction and vapor			

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Hand Protection**

Rubber gloves Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact)

Eye/Face Protection

Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to handling and processing of material.

Skin and body protection

Wear protective gloves and additional protective clothing as necessary to prevent exposures.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

Physical state	Liquid
Appearance	Colored liquid
Odor	Ammoniacal
Color	Blue

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	12.3	
Boiling point/boiling range	102 °C / 216 °F	
Flash Point	104 °C / 219 °F	
Evaporation rate	no data available	
Explosion Limits		
upper		
lower		
Vapor pressure	no data available	
Vapor density	no data available	
Specific Gravity	1.02	
Viscosity, kinematic	1.16 mm ² /s	
Water solubility	Soluble in water	
Partition coefficient: n-octanol/water	no data available	
Explosive properties	no data available	

Other information

Volatile organic compounds (VOC) content Negligible

Melting/freezing point

10. Stability and reactivity

Stability/Reactivity	Stable under normal conditions.
Incompatible products	Acids. Oxidizing or reducing agents.
Conditions to Avoid	Direct sources of heat.

Hazardous Decomposition Products Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke. Thermal decomposition can lead to release of irritating gases and vapors. Ammonia. Nitric acid.

Hazardous Polymerization Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity

Product Information The product itself has not been tested.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-(2-BUTOXYETHOXY)ETHANOL	3384 mg/kg (Rat)	2700 mg/kg (Rabbit)	
Sodium Metasilicate	600 mg/kg (Rat)		

Chronic toxicity

Chronic toxicity No information available

Target Organ Effects None known.

12. Ecological information

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
2-(2-BUTOXYETHOXY)ETHANOL	EC50: 96 h Desmodesmus subspicatus 100 mg/L	LC50: 96 h Lepomis macrochirus 1300 mg/L static	EC50: 24 h Daphnia magna 2850 mg/L EC50: 48 h Daphnia magna 100 mg/L		
Sodium Metasilicate		LC50: 96 h Brachydanio rerio 210 mg/L semi-static LC50: 96 h Brachydanio rerio 210 mg/L	EC50: 96 h Daphnia magna 216 mg/L		

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Other adverse effects Discharge into the environment must be avoided.

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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Proper shipping name Limited Quantity in Gallons
CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE AND DISODIUM TRIOXOSILICATE)

Hazard class 8

UN/ID No 1760

Packing Group III

MEX

IMDG

Proper shipping name CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE AND DISODIUM TRIOXOSILICATE)

Hazard class 8

UN/ID No 1760

Packing Group III

15. Regulatory information

International Inventories

TSCA -

DSL -

EINECS/ELINCS -

ENCS - Complies

IECSC - Complies

KECL -

PICCS - Complies

AICS -

NZIoC - Complies

TSCA - 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

NZIoC - New Zealand Inventory of Chemicals

"-" - Unknown. Not listed.

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:

Chemical Name	Weight %	SARA 313 - Threshold Values %
2-(2-BUTOXYETHOXY)ETHANOL	10-30	1.0

SARA 311/312 Hazard Categories

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

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
AMMONIUM HYDROXIDE	1000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
AMMONIUM HYDROXIDE	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. 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	Illinois	Rhode Island
2-(2-BUTOXYETHOXY)ETHANOL		X	X	X	
AMMONIUM HYDROXIDE	X	X	X		

International Regulations

Mexico - Grade Slight risk, Grade 1

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

Non-controlled

16. Other information

NFPA	Health Hazard 2	Flammability 1	Stability/Reactivity 0	Physical and chemical hazards -
HMIS	Health Hazard 2	Flammability 1	Physical Hazard 0	Personal protection C

Prepared By No information available

Revision Date 25-Oct-2013
Revision Note No information available.

Disclaimer

The information provided on this MSDS 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.

End of Material Safety Data Sheet