



# SAFETY DATA SHEET

Issuing Date 24-Jan-2014

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Revision Number 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Guard Degreaser

### Other means of identification

**Product Code(s)** 4861

**UN-Number** Not Regulated

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Degreaser

**Uses advised against** No information available

### Supplier's details

**Supplier Address**  
Sunburst Chemicals, Inc.  
220 W. 86th St.  
Bloomington, MN 55420  
TEL: 952-884-3144

**Emergency Telephone Number** 1-866-303-6943

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

### **PRODUCT AS SOLD**

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 1 Subcategory 1A
Serious Eye Damage/Eye Irritation	Category 1

**\*\*Product is mostly used at full strength, hazards for use dilution are the same as the product full strength.**

### GHS Label elements, including precautionary statements

#### Emergency Overview

### **PRODUCT AS SOLD**

**Signal Word** Danger  
**Hazard Statements**  
• Harmful if swallowed  
• Causes severe skin burns and eye damage



**Appearance** Brown **Physical State** Liquid **Odor** Butyl ether

**Precautionary Statements**

**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection

**General Advice**

- Immediately call a POISON CENTER or doctor/physician

**Eyes**

- 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.

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Do NOT induce vomiting

**Storage**

- Store locked up

**Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Harmful to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**PRODUCT AS SOLD**

Chemical Name	CAS-No	Weight %	Trade secret
Sodium Silicate	1344-09-8	5 - 15	*
Nonylphenol Ethoxylate	9016-45-9	5 - 10	*
2-Butoxyethanol	111-76-2	1 - 5	*
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	68411-30-3	1 - 5	*

*\*The exact percentage (concentration) of composition has been withheld as a trade secret.*

**PRODUCT AT USE DILUTION**  
Product is mostly used at full strength, hazards for use dilution are the same as the full strength of Product

**4. FIRST AID MEASURES**

**PRODUCT AS SOLD**

**Description of necessary first-aid measures**

**General Advice** - Immediate medical attention is required.

- Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
- Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Seek immediate medical attention/advice.
- Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
- Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable Extinguishing Media** None

**Specific Hazards Arising from the Chemical**

None known

**Hazardous Combustion Products** None.

**Explosion Data**

**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 and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**PRODUCT AS SOLD**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.

**Environmental Precautions**

**Environmental Precautions** Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Absorb spilled material with an absorbent material such as clay, sawdust, or sand. Sweep up and shovel into suitable containers for disposal. After complete clean up by sweeping, area may be washed with large amounts of water if necessary

## 7. HANDLING AND STORAGE

### PRODUCT AS SOLD

#### Precautions for safe handling

##### Handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product.

#### Conditions for safe storage, including any incompatibilities

##### Storage

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

##### Incompatible Products

None

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-butoxyethanol	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	IDLH: 700 ppm TWA: 5 ppm

#### Appropriate engineering controls

##### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

#### Individual protection measures, such as personal protective equipment

##### Eye/Face Protection

Tightly fitting safety goggles.

##### Skin and Body Protection

Rubber gloves. Rubber apron.

##### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

##### Hygiene Measures

Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### PRODUCT AS SOLD

#### Information on basic physical and chemical properties

##### Physical State

Liquid

##### Appearance

Brown

##### Odor

Butyl ether

##### Odor Threshold

No information available

#### Property

#### Values

#### Remarks/ - Method

##### pH

12.2 – 13.6

None known

##### Melting Point/Range

No data available

None known

##### Boiling Point/Boiling Range

100 °C / 212 °F

None known

##### Flash Point

98 °C / 208.4 °F

None known

##### Evaporation rate

No data available

None known

##### Flammability (solid, gas)

No data available

None known

##### Flammability Limits in Air

##### upper flammability limit

No data available

##### lower flammability limit

No data available

##### Vapor Pressure

No data available

None known

##### Vapor Density

No data available

None known

##### Relative Density

No data available

None known

##### Specific Gravity

No data available

None known

##### Water Solubility

Soluble

None known

<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known

**Flammable Properties** Not flammable

**Explosive Properties** Not explosive  
**Oxidizing Properties** Not an oxidizer

**Other information**

**VOC Content (%)** 1 - 5%

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None

**Hazardous decomposition products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### PRODUCT AS SOLD

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Eye contact with corrosive substances can cause eye burns.
<b>Skin Contact</b>	Skin contact with corrosive substances can cause skin burns.
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Silicate	= 1153 mg/kg ( Rat )	= 4640 mg/kg ( Rabbit )	-
Nonylphenol Ethoxylate	= 3310 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit )	-
2-Butoxyethanol	= 470 mg/kg ( Rat )	= 400 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat 4h, 950 ppm )
Benzenesulphonic acid, C10-C13 alkyl derivs., sodium salts	= 1020 mg/kg ( Rat )	-	-

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**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 its Carcinogenicity to Humans

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity • - Product***The following values are calculated based on chapter 3.1 of the GHS document:*

<b>LD50 Oral</b>	No information available.
<b>LD50 Dermal</b>	No information available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium Silicate	-	LC50 96 h: = 301-476 mg/L (Lepomis Macrochirus)	-	EC50 96h: = 216 mg/L (Daphnia magna)
Nonylphenol Ethoxylate	-	LC50 96 h: = 1.8 mg/L static (Bluegill Sunfish)	-	EC50 48h: = 12.2 mg/L (Daphnia magna)
2-Butoxyethanol	-	LC50 96 h: = 1490 mg/L (Bluegill Sunfish)	-	
Benzenesulphonic acid, C10-C13 alkyl derivs., sodium salts	EC50 96h: = 29 mg/L (Pseudokircheneriella sub.)	LC50 96 h: = 1.67 mg/L (Bluegill Sunfish)	-	EC50 48 h: = 2.9 mg/L (Daphnia magna)

<b>Persistence and Degradability</b>	No information available.
<b>Bioaccumulation</b>	Potential.

Chemical Name	Log Pow
2-Butoxyethanol	0.81

<b>Other Adverse Effects</b>	No information available.
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**13. DISPOSAL CONSIDERATIONS****PRODUCT AS SOLD****Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations**Contaminated Packaging** Dispose of in accordance with federal, state, and local regulations.**14. TRANSPORT INFORMATION**

<b>DOT</b>	Not Regulated
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**15. REGULATORY INFORMATION****International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS</b>	Complies

**Legend****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

**U.S. Federal Regulations**

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	CAS #	Weight %	SARA313 Threshold Values
2-Butoxyethanol	111-79-2	1 - 5	1.0%

**SARA 311/312 Hazard Categories**

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

**Clean Water Act**

This product contains no substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**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	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
2-Butoxyethanol	X	X	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection B

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**General 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.

**End of Safety Data Sheet**