



# SAFETY DATA SHEET

Issuing Date 23-Jan-2014

Revision Date 18-May-2016

Revision Number 2

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

### GHS product identifier

Product Name 636 Odorless Degreaser

### Other means of identification

Product Code(s) 4100

UN-Number UN3266

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 AT USE DILUTION**

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

### 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** Musty

**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
- 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

**PRODUCT AT DILUTION**

**Signal Word**

**Danger**

**Hazard Statements**

- Harmful if swallowed
- Causes severe skin burns and eye damage

**Emergency Overview**



<b>Appearance</b> Brown	<b>Physical State</b> Liquid	<b>Odor</b> Musty
<b>Precautionary Statements</b>		
<b>Prevention</b>		
<ul style="list-style-type: none"> <li>• Wash face, hands and any exposed skin thoroughly after handling</li> <li>• Do not eat, drink or smoke when using this product</li> <li>• Do not breathe dust/fume/gas/mist/vapors/spray</li> <li>• Wear protective gloves/protective clothing/eye protection/face protection</li> </ul>		
<b>General Advice</b>		
<ul style="list-style-type: none"> <li>• Immediately call a POISON CENTER or doctor/physician</li> </ul>		
<b>Eyes</b>		
<ul style="list-style-type: none"> <li>• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>• Immediately call a POISON CENTER or doctor/physician.</li> </ul>		
<b>Skin</b>		
<ul style="list-style-type: none"> <li>• IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water</li> <li>• Wash contaminated clothing before reuse</li> </ul>		
<b>Inhalation</b>		
<ul style="list-style-type: none"> <li>• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing</li> </ul>		
<b>Ingestion</b>		
<ul style="list-style-type: none"> <li>• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>• Rinse mouth</li> <li>• Do NOT induce vomiting</li> </ul>		
<b>Storage</b>		
<ul style="list-style-type: none"> <li>• Store locked up</li> </ul>		
<b>Disposal</b>		
<ul style="list-style-type: none"> <li>• Dispose of contents/container to an approved waste disposal plant</li> </ul>		

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****PRODUCT AS SOLD**

Chemical Name	CAS-No	Weight %	Trade secret
N-Methyl-2-Pyrrolidone	872-50-4	3 - 7	*
Potassium hydroxide	1310-58-3	3 - 7	*
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	3 - 7	*
Triethanolamine	102-71-6	1 - 5	*

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

**PRODUCT AT USE DILUTION**

Contains ingredients listed above at weight % less than 1.0%

**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.

<b>Skin Contact</b>	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.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention / advice

**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.

<b>PRODUCT AT USE DILUTION</b>	
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention / advice.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention / advice.

**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**

No information available

**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

<b>PRODUCT AT USE DILUTION</b>	
<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.
<b>Environmental Precautions</b>	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.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so
<b>Methods for Cleaning Up</b>	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

**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 known based on information supplied.

<b>PRODUCT AT USE DILUTION</b>	
<b>Advice on safe handling</b>	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Wash hands thoroughly after handling.
<b>Conditions for safe storage</b>	Keep out of reach of children. Store in suitable labeled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**  
**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
Triethanolamine	= 5 mg/m <sup>3</sup>	= 6 mg/m <sup>3</sup>	-

**Appropriate engineering controls**  
**Engineering Measures** 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

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Brown
<b>Odor</b>	Musty	<b>Odor Threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Values for Product at Use Dilution</b>
pH , 100%	13.0 – 13.5	11.5 – 12.5
Melting Point/Range	No data available	
Boiling Point/Boiling Range	100 °C / 212 °F	212 °F
Flash Point	No data available	
Evaporation rate	No data available	Physical State – Liquid
Flammability (solid, gas)	No data available	Odor – None
Flammability Limits in Air		Appearance - Colorless
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	
Relative Density	No data available	
Specific Gravity	No data available	
Water Solubility	No data available	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	No data available	

**Flammable Properties** Not flammable

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

**Other information**

**VOC Content (%)** No data available

**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.

### PRODUC AT USE DILUTION

<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 pain, nausea, vomiting, and diarrhea

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
N-Methyl-2-Pyrrolidone	= 3914 mg/kg ( Rat )	= 8000 mg/kg ( Rat )	= 5.1 mg/L (Rat)
Potassium hydroxide	= 273 mg/kg ( Rat )	-	-
Benzenesulfonic acid, C10-16-alkyl derivatives	= 1470 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Triethanolamine	= 2200 mg/kg ( Rat )	> 2000 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** Contains no carcinogenic ingredients.

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

#### Numerical measures of toxicity - Product

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** No information available.  
**LD50 Dermal** 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)
Potassium hydroxide		LC50 96 h: = 80 mg/L static (Gambusia affinis)		
Benzenesulfonic acid, C10-16-alkyl derivatives	EC50 = 0.97 mg/L/96h	LC50 96 h: = 0.97 mg/L static (Oncorhynchus mykiss)		EC50 48 h: = 2.9 mg/L (Daphnia magna)
Triethanolamine	EC50 = 169 mg/L/96h (Scenedesmus subspicatus)	LC50 96 h: = 11800 mg/L static (Flathead Minnow)	EC 50 = 525 mg/L/30m	EC 50 = 1850 mg/L/24h (Daphnia magna)

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

Chemical Name	Log Pow
Potassium hydroxide	0.65

#### Other Adverse Effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

**PRODUCT AS SOLD****Waste Disposal Methods**  
**Contaminated Packaging**Dispose of in accordance with federal, state, and local regulations  
Dispose of in accordance with federal, state, and local regulations.**PRODUCT AT USE DILUTION**

Dispose of in accordance of the federal, state, local regulations.

**14. TRANSPORT INFORMATION****DOT**

<b>UN-Number</b>	UN3266
<b>Proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Reportable Quantity (RQ)</b>	Potassium hydroxide: RQ kg= 8071.11
<b>Description</b>	UN3266, Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide), 8, II, RQ
<b>Emergency Response Guide Number</b>	154

**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 no 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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	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
Potassium 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
Potassium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations**



**California Proposition 65**

N-Methyl-2-Pyrrolidone is listed as a Proposition 65 hazard regarding possible birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Potassium hydroxide	X	X	X		X
N-Methyl-2-Pyrrolidone	X				
Triethanolamine	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	1	Instability	0	Physical and Chemical Hazards	-
<b>HMIS</b>	Health Hazard	3	Flammability	1	Physical Hazard	0	Personal Protection	B
<b>Prepared By</b>	Sunburst Chemicals 220 West 86 <sup>th</sup> Street Bloomington, MN 55420 952-884-3144							
<b>Issuing Date</b>	23-Jan-2014							
<b>Revision Date</b>	18-May-2016							
<b>Revision Note</b>	New Issue							
<b>General Disclaimer</b>								
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.								
<b>End of Safety Data Sheet</b>								