

1935

# SAFETY DATA SHEET

## SUNBURST CHEMICALS

Issuing Date 14-Jan-2015

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Revision Number 0

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

#### GHS product identifier

Product Name Liberate

#### Other means of identification

Product Code(s) 7847

Synonyms None

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

Recommended Use Laundry Detergent

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

Emergency Telephone Number 1-866-303-6943

### 2. HAZARD IDENTIFICATION

#### Classification

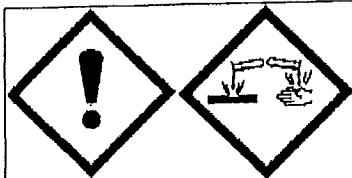
This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

|                                   |                            |
|-----------------------------------|----------------------------|
| Acute Inhalation Toxicity-Vapors  | Category 4                 |
| Skin Corrosion                    | Category 1 Subcategory 1 A |
| Serious Eye Damage/Eye Irritation | Category 1                 |

#### GHS Label elements, including precautionary statements

#### Emergency Overview

|                   |   |
|-------------------|---|
| Signal Word       | Danger                                  |
| Hazard Statements | Causes severe skin burns and eye damage |



Appearance Blue

Physical State Liquid

Odor Slight

**Precautionary Statements****Prevention**

- Wash face, hands, and any exposed skin after handling
- Do not eat, drink, or smoke when using this product
- 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
- If skin irritation occurs: Get medical advice/attention

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor/physician if you feel unwell

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician
- Rinse mouth
- DO NOT induce vomiting

**Storage**

- Store in a well-ventilated place. Keep container tightly closed
- Store locked up

**Disposal**

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

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name   | CAS-No     | Weight % | Trade secret |
|---|------------|----------|--------------|
| Ethylene oxide-Nonylphenol polymer                            | 9016-45-9  | 10-30    | *            |
| Isopropyl alcohol   | 67-63-0    | 1-5      | *            |
| Benzene sulfonic acid C-10-16 alkyl derivatives, sodium salts | 68081-81-2 | 1-5      | *            |
| Potassium hydroxide   | 1310-58-3  | 3-10     | *            |

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

**4. FIRST AID MEASURES****Description of necessary first-aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists. |
| <b>Skin Contact</b> | Wash skin with soap and water. Remove and wash contaminated clothing before re-use. Get medical attention if irritation persists.  |
| <b>Inhalation</b>   | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.  |
| <b>Ingestion</b>    | Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary   |

**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**

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

**Unsuitable Extinguishing Media** None

**Specific Hazards Arising from the Chemical**

Sealed containers may rupture when heated. Vapors may form flammable mixture when mixed with air. Flammable.

**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 pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. High risk of slipping due to leakage/spillage of product. Keep away from heat, sparks and open flame. No smoking.

**Environmental Precautions**

**Environmental Precautions** 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** Take up with sand, earth or other noncombustible absorbent material Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal Flush area with flooding quantities of water

**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 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. Keep at temperatures between 50 and 100°F.

**Incompatible Products** None

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Control parameters

Exposure Guidelines

| Chemical Name                    | AGGIH TLV                     | OSHA PEL  | NIOSH IDLH  |
|----------------------------------|-------------------------------|---|---|
| Isopropyl alcohol<br>67-63-0     | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm 10% LEL<br>TWA: 980 mg/m <sup>3</sup><br>TWA: 400 ppm<br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Potassium hydroxide<br>1310-58-3 | Celling: 2 mg/m <sup>3</sup>  | Celling: 2 mg/m <sup>3</sup> (vacated)  | Celling: 2 mg/m <sup>3</sup>  |

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**

Information on basic physical and chemical properties

**Physical State** Liquid  
**Odor** Slight  
**Appearance** Blue  
**Odor Threshold** No information available

| Property                    | Values            | Remarks/ - Method |
|-----------------------------|-------------------|-------------------|
| pH                          | 11.5              | None known        |
| Melting Point/Range         | No data available | None known        |
| Boiling Point/Boiling Range | 100 °C / 100 °F   | None known        |
| Flash Point                 | No data available | Tag closed cup    |
| 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 |
| Solubility in other solvents           | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autolgnition Temperature               | No data available | None known |
| Decomposition Temperature              | No data available | None known |
| Viscosity                              | 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

No information available.

Incompatible materials

None

Hazardous decomposition products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation

Harmful by inhalation.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation. May cause skin irritation and/or dermatitis. Repeated exposure may cause skin dryness or cracking.

Ingestion

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

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 |
|-------------------|-------|---------|-----|------|
| Isopropyl alcohol |       | Group 3 |     | X    |

**ACGIH:** (American Conference of Governmental Industrial Hygienists)

No information available.

**IARC:** (International Agency for Research on Cancer)

Group 3: Not Classifiable as to Its Carcinogenicity to Humans

**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.

**Inhalation Vapor** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical Name       | Toxicity to Algae  | Toxicity to Fish   | Toxicity to Microorganisms | Daphnia Magna (Water Flea)              |
|---------------------|--|--|----------------------------|---|
| Isopropyl alcohol   | EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus)<br>EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus) | LC50 96 h: = 11130 mg/L static (Pimephales promelas)<br>LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas)<br>LC50 96 h: > 1400000 µg/L (Lepomis macrochirus) |                            | EC50 48 h: = 13299 mg/L (Daphnia magna) |
| Potassium hydroxide |  | LC50 96 h: = 80 mg/L static (Pimephales promelas)  |                            |   |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

| Chemical Name     | Log Pow |
|-------------------|---------|
| Isopropyl alcohol | 0.05    |

**Other Adverse Effects**  
 No information available.

**13. DISPOSAL CONSIDERATIONS**

**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.

| Chemical Name     | California Hazardous Waste |
|-------------------|----------------------------|
| Isopropyl alcohol | Toxic Ignitable            |

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**15. REGULATORY INFORMATION**

International Inventories

TSCA Complies  
 DSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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

|                                   |     |
|-----------------------------------|-----|
| 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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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 |
|---------------------|------------|---------------|--------------|----------|--------------|
| Isopropyl alcohol   | X          | X             | X            |          | X            |
| Potassium hydroxide | X          | X             | X            |          | X            |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

|             |                 |                |                   |                                 |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| <u>NFPA</u> | Health Hazard 1 | Flammability 0 | Instability 0     | Physical and Chemical Hazards - |
| <u>HMIS</u> | Health Hazard 1 | Flammability 0 | Physical Hazard 0 | Personal Protection B           |

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 952-884-3144  
 Issuing Date 14-Jan-2015  
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 Revision Note New Issue

General Disclaimer

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End of Safety Data Sheet