SAFETY DATA SHEET

Issuing Date 19-Mar-2014 **Revision Date** 16-Jun-2016 **Revision Number** 6

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

GHS product identifier

Product Name **Freezer Floor Cleaner**

Other means of identification

Product Code(s) **6905**

UN Number **3266**

Synonyms **None**

Recommended use of the chemical and restrictions on use

Recommended Use Freezer Floor Cleaner

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 hazards according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

PRODUCT AS SOLD

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

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

GHS Label elements, including precautionary statements

Emergency Overview

PRODUCT AS SOLD

Signal Word **Danger**

Hazard Statements
- Harmful if inhaled
- Causes skin corrosion
- Causes serious eye damage

Appearance Colorless **Physical State** Liquid **Odor** Alcohol

Precautionary Statements

Prevention
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Keep container tightly closed
- Wear protective gloves/protective clothing/eye protection/face protection

General Advice
- IF exposed or concerned: Get medical attention/advice

Eyes
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

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

Fire
- In case of fire: Use CO2, dry chemical, or foam for extinction

Storage
- Store in a well-ventilated place. Keep cool

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

Chemical Name	CAS-No	Weight %	Trade secret
Ethylene glycol	107-21-1	20 - 40	*
Isopropyl alcohol	67-63-0	5 - 10	*
2-Butoxyethanol	111-76-2	1 - 10	*
Nonylphenol Ethoxylate	9016-45-9	1 - 10	*
Sodium Hydroxide	1310-73-2	0.5 - 5	*

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

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact 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.

Skin Contact Wash skin with soap and water. Remove and wash contaminated clothing before re-use. Get medical attention if irritation persists.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion 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_2). Dry chemical. Water. Keep containers and surroundings cool with water spray.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical
Flash Point 198 °F

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.

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 Absorb spilled material with an absorbent material such as clay, sawdust, or sand. 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.

Incompatible Products None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m3	TWA: 2mg/m3 Ceiling: 2 mg/m3	IDLH: 10mg/m3 Ceiling: 2mg/m3
Isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3	IDLH: 2000 ppm TWA: 980 mg/m3 TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m3
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m3	TWA: 5 ppm IDLH: 700ppm

Appropriate engineering controls

Engineering Measures Eyewash stations

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 **Appearance** Colorless
Odor Alcohol **Odor Threshold** No information available

Property	Values	Remarks/ - Method
pH	12.0 – 12.5	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	92.2 °C / 198 °F	None known
Flash Point	No data available.	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	Complete	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition 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 (%) 10-30%

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
Storage above 100 °F

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Butoxyethanol	= 470 mg/kg (Rat)	= 400 mg/kg (Rabbit)	= 2.21 mg/L (Rat 4h, 950 ppm)
Isopropyl alcohol	= 4396 mg/kg (Rat)	= 12870 mg/kg (Rat)	= 19000 ppm (Rat)
Nonylphenol Ethoxylate	= 3310 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	-
Sodium Hydroxide	-	= 1350 mg/kg (Rabbit)	-

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		
Isopropanol		Group 3		X

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

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)
2-Butoxyethanol	-	LC50 96 h: = 1490 mg/L (Bluegill Sunfish)	-	-
Isopropanol	EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 9640 mg/L (Pimephales promelas)	-	EC50 48 h: = 13299 mg/L (Daphnia magna)
Nonylphenol Ethoxylate	-	LC50 96 h: = 1.8 mg/L static (Bluegill Sunfish)	-	EC50 48h: = 12.2 mg/L (Daphnia magna)
Sodium Hydroxide	-	LC50 96 h: = 45.4 mg/L static (Oncorhynchus Mykiss)	-	-

Persistence and Degradability No information available.
Bioaccumulation No information available.

Chemical Name	Log Pow
2-Butoxyethanol	0.81
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.

14. TRANSPORT INFORMATION

DOT
UN-Number UN3266
Proper shipping name Corrosive liquid, basic, inorganic N.O.S
Hazard Class 8
Packing Group II
Description UN3266, Corrosive liquid, basic, N.O.S. (Sodium Hydroxide) 8, II
Emergency Response Guide Number 154

15. REGULATORY INFORMATION

International Inventories
TSCA Complies
DSL Complies
EINECS Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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-No	Weight %	SARA 313 - Threshold Values %
2-Butoxyethanol	111-76-2	2	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 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	1000lb			X

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).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium 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	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
2-Butoxyethanol	X	X	X	X	X
Sodium Hydroxide	X	X	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard**	2	**Flammability**	0	**Instability**	0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard**	2	**Flammability**	0	**Physical Hazard**	0	**Personal Protection** B

Prepared By Sunburst Chemicals
220 West 86th Street
Bloomington, MN 55420
952-884-3144

Issuing Date 19-Mar-2014
Revision Date 16-Jun-2016

Revision Note Update

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