



SAFETY DATA SHEET

Issuing Date 06-Jan-2014

Revision Date 15-Jun-2016

Revision Number 1

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

GHS product identifier

Product Name Force

Other means of identification

Product Code(s) 7867

UN-Number UN3262

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

PRODUCT AT USE DILUTION

Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

GHS Label elements, including precautionary statements

Emergency Overview

PRODUCT AS SOLD

Signal Word Danger

Hazard Statements

- Harmful in contact with skin
- Causes severe skin burns and eye damage



Appearance Brown

Physical State Solid

Odor None

Precautionary Statements

Prevention

- Wear protective gloves/protective clothing/eye protection/face protection
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling

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
- Call a POISON CENTER or doctor/physician if you feel unwell
- 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: 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

PRODUCT AT USE DILUTION

Signal Word

Danger

Hazard Statements

- Harmful in contact with skin
- Causes severe skin burns and eye damage



Appearance Colorless **Physical State** Liquid **Odor** None

Precautionary Statements

Prevention

- Wear protective gloves/protective clothing/eye protection/face protection
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling

General Advice

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

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

Ingestion

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Storage

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Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT AS SOLD

Chemical Name	CAS-No	Weight %	Trade secret
Sodium hydroxide	1310-73-2	50 - 75	*
Nonylphenol Ethoxylate	9016-45-9	10 - 20	*
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	5 - 10	*
2-propenoic acid, homopolymer, sodium salt	9003-04-7	5 - 10	*

*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 0.5%

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.

PRODUCT AT USE DILUTION	
Eye Contact	Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. Seek immediate medical attention / advice.
Skin Contact	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Do NOT induct vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available

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

PRODUCT AS SOLD

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.

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 Collect and reuse if possible. Following product recovery, flush area with water.

PRODUCT AT USE DILUTION	
Personal Precautions	Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. Solution can cause surfaces to become slippery.
Environmental Precautions	Avoid release to the environment. Rinse or mop up use solutions. Solutions may be flushed down sanitary sewer drains.
Methods and materials for containment and cleaning up	
Methods for Containment	Prevent solutions from spillage.
Methods for Cleaning Up	Flush area with water.

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 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.

PRODUCT AT USE DILUTION	
Advice on safe handling	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage	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
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

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 when changing empty jugs.

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	Solid	Appearance	Brown
Odor	None	Odor Threshold	No information available

<u>Property</u>	<u>Values for Product as Sold</u>	<u>Values for Product at Use Dilution</u>
pH , Use Solution	N/A	11.5 – 12.5
Melting Point/Range	60 °C / 140 °F	
Boiling Point/Boiling Range	None	
Flash Point	None.	
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	Complete	
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 (%) 0%

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

Inhalation May cause irritation of respiratory tract.
Eye Contact Causes serious eye damage.
Skin Contact Harmful in contact with skin. Causes severe skin burns.
Ingestion May cause irritation

PRODUCT AT USE DILUTION	
Inhalation	May cause irritation of respiratory tract.
Eye Contact	Causes eye damage/irritation
Skin Contact	Causes skin damage/irritation
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	-	= 1350 mg/kg (Rabbit)	-
Nonylphenol Ethoxylate	= 3310 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	-
Benzenesulfonic acid, C10-16-alkyl derivatives	= 1470 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 ingredient listed as a carcinogen.
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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium hydroxide	-	LC50 96 h: = 45.4 mg/L static (Oncorhynchus Mykiss)	-	-
Nonylphenol Ethoxylate	-	LC50 96 h: = 1.8 mg/L static (Bluegill Sunfish)	-	EC50 48h: = 12.2 mg/L (Daphnia magna)
Benzenesulfonic acid, C10-16-alkyl derivatives	EC50 96h: = 0.97 mg/L	LC50 96 h: = 1.67 mg/L (Bluegill Sunfish)	-	EC50 48 h: = 7.6 mg/L (Daphnia magna)

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

Other Adverse Effects

No information available.

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.

PRODUCT AT USE DILUTION
Dispose of in accordance of the federal, state, local regulations.

14. TRANSPORT INFORMATION

DOT

UN-Number UN3262
Proper shipping name Corrosive solid, basic, inorganic, n.o.s.
Hazard Class 8
Packing Group II
Reportable Quantity (RQ) Sodium hydroxide: RQ kg= 1055.81
Description UN3262, Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide), 8, II, RQ
Emergency Response Guide Number 154

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any 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 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	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

Sodium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
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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
Sodium hydroxide	X	X	X		X

U.S. EPA Label Information

EPA Pesticide Registration Number

Not applicable

16. OTHER INFORMATION

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

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

Issuing Date 06-Jan-2014

Revision Date 15-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