



# SAFETY DATA SHEET

Issuing Date 15-Jan-2014

Revision Date 25-May-2016

Revision Number 2

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

### GHS product identifier

**Product Name** Boil Out

### Other means of identification

**Product Code(s)** 4825

**Synonyms** None

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

**Recommended Use** Fryer 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 hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

### **PRODUCT AS SOLD**

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1 Subcategory 1B
Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3

### **PRODUCT AT USE DILUTION**

Acute Oral 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**

<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	<ul style="list-style-type: none"> <li>• Harmful if swallowed</li> <li>• Harmful in contact with skin</li> <li>• Causes severe skin burns and eye damage</li> <li>• May cause respiratory irritation</li> </ul>

		
<b>Appearance</b> Off White	<b>Physical State</b> Powder	<b>Odor</b> Low

**Precautionary Statements**

**Prevention**

- Wear protective gloves and clothing
- Do not breathe mist
- Wash face, hands, and any exposed skin thoroughly after handling

**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
- Immediately call a POISON CENTER or doctor/physician.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation occurs: Get medical advice/attention
- Call a POISON CENTER or a doctor/physician if you feel unwell

**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 immediately
- Rinse mouth, sip a glass of water if able to do so.
- Do NOT induce vomiting.

**Storage**

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

**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

<b>PRODUCT AT USE DILUTION</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	
<ul style="list-style-type: none"> <li>• Harmful if swallowed</li> <li>• Causes severe skin burns and eye damage</li> </ul>	
<b>Emergency Overview</b>	



**Description of necessary first-aid measures****General Advice** – Immediate medical attention is required

<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 with warm water and soap. Remove and wash contaminated clothing before re-use. 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. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed****Most Important Symptoms/Effects** Slippery feeling, burning sensation on skin or eyes**Indication of immediate medical attention and special treatment needed, if necessary****Notes to Physician** Treat symptomatically.**PRODUCT AT USE DILUTION**

<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 with warm water and soap. Remove and wash contaminated clothing before re-use. 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

**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. Do not breathe spray mist. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become 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.**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.

<b>PRODUCT AT USE DILUTION</b>	
<b>Personal Precautions:</b>	Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Use personal protective equipment. Solution can cause surfaces to become slippery.
<b>Environmental Precautions</b>	Avoid release to the environment. Rinse or mop up use solutions. Small volumes may be flushed down sanitary sewer drains.
<b>Methods for Containment</b>	Prevent solutions from further spillage, if safe to do so.
<b>Methods for Cleaning Up</b>	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. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

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

**Storage** 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
Sodium Hydroxide	Ceiling: 2 mg/m3	TWA: 2 mg/m3 (vacated) Ceiling: 2 mg/m3	IDLH: 10 mg/m3 Ceiling: 2 mg/m3

**Appropriate engineering controls**

**Engineering Measures** Eyewash stations

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

**Eye/Face Protection** Safety goggles.  
**Skin and Body Protection** Rubber or vinyl gloves when handling solid chemicals or their use solutions.

**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**

<b>Physical State</b>	Powder	<b>Appearance</b>	Off White to Tan
<b>Odor</b>	None	<b>Odor Threshold</b>	No information available

Property	Values for Product as Sold	Values for Product at Use Dilution
pH	NA	11.5 – 13.0
Melting Point/Range	No data available	

<b>Boiling Point/Boiling Range</b>	None	212 °F
<b>Flash Point</b>	None.	
<b>Evaporation rate</b>	No data available	Physical State – Liquid
<b>Flammability (solid, gas)</b>	No data available	Odor – None
<b>Flammability Limits in Air</b>		Appearance - Colorless
<b>upper flammability limit</b>	No data available	
<b>lower flammability limit</b>	No data available	
<b>Vapor Pressure</b>	No data available	
<b>Vapor Density</b>	No data available	
<b>Relative Density</b>	No data available	
<b>Specific Gravity</b>	No data available.	
<b>Water Solubility</b>	Complete	
<b>Solubility in other solvents</b>	No data available	
<b>Partition coefficient: n-octanol/water</b>	No data available	
<b>Autoignition Temperature</b>	No data available	
<b>Decomposition Temperature</b>	No data available	
<b>Viscosity</b>	No data available	
<b>Flammable Properties</b>	Not flammable	
<b>Explosive Properties</b>	Not explosive	
<b>Oxidizing Properties</b>	Not an oxidizer	
<b><u>Other information</u></b>		
<b>VOC Content (%)</b>	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 known based on information supplied.

**Hazardous decomposition products**  
None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**PRODUCT AS SOLD**

**Information on likely routes of exposure**

**Product Information:**

<b>Eye Contact</b>	Causes serious eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

<b>PRODUCT AT USE DILUTION</b>	
<b>Eye Contact</b>	Causes serious eye damage
<b>Skin Contact</b>	Causes severe 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
Sodium Carbonate	= 4090 mg/kg ( Rat )	-	-
Sodium Hydroxide	-	= 1350 mg/kg ( Rabbit )	-
Pentasodium Triphosphate	= 4640 mg/kg ( Rat )	-	-
Nonylphenol Ethoxylate	= 3310 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit )	-
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** 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)
Sodium Carbonate	-	LC50 96 h: = 300-320 mg/L (Bluegill Sunfish)	-	EC50 48h: = 265 mg/L (Daphnia magna)
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)
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)

**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** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** 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 does contain 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
Pentasodium Triphosphate	5000lb			X
Sodium Hydroxide	1000lb			X

**CERCLA**

This material, as supplied, contains 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
Pentasodium Triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Sodium Hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains no Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Pentasodium triphosphate		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 3 Flammability 0 Instability 0 Physical and Chemical Hazards -  
**HMIS** Health Hazard 3 Flammability 0 Physical Hazard 0 Personal Protection B



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Prepared By	Sunburst Chemicals 220 West 86 <sup>th</sup> Street Bloomington, MN 55420 952-884-3144
Issuing Date	15-Jan-2014
Revision Date	25-May-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**