



# SAFETY DATA SHEET

Issuing Date 24-Jan-2014

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Revision Number 0

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

### GHS product identifier

**Product Name** Break Out

### Other means of identification

**Product Code(s)** 7479

**UN-Number** UN3262

**Synonyms** None

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

**Recommended Use** Heavy Duty 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. HAZARDS IDENTIFICATION

### Classification

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

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

### GHS Label elements, including precautionary statements

#### Emergency Overview

**Signal Word** Danger

**Hazard Statements**

- Harmful if swallowed
- Harmful in contact with skin
- Causes severe skin burns and eye damage
- May cause respiratory irritation

**Appearance** Off white**Physical State** Powder**Odor** Low**Precautionary Statements****Prevention**

- Wear protective gloves/protective clothing/eye protection/face protection
- 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

**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**

- Call a POISON CENTER or doctor/physician if you feel unwell
- Wash contaminated clothing before reuse
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

**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 if you feel unwell
- Rinse mouth
- 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

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name            | CAS-No    | Weight % | Trade secret |
|--------------------------|-----------|----------|--------------|
| Sodium carbonate         | 497-19-8  | 30-50    | *            |
| Sodium hydroxide         | 1310-73-2 | 20-40    | *            |
| Sodium Metasilicate      | 6834-92-0 | 10-40    | *            |
| Pentasodium triphosphate | 7758-29-4 | 1-10     | *            |

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

### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

|                       |                                                                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b> | 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 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. 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.

### 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

None in particular

**Hazardous Combustion Products** None.

#### Explosion Data

|                                         |      |
|-----------------------------------------|------|
| <b>Sensitivity to Mechanical Impact</b> | None |
| <b>Sensitivity to Static Discharge</b>  | 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. 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.

**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.

**Incompatible Products** None

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

| Chemical Name                 | ACGIH TLV                    | OSHA PEL                                                           | NIOSH IDLH                                                 |
|-------------------------------|------------------------------|--------------------------------------------------------------------|------------------------------------------------------------|
| Sodium hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup> | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 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** Powder  
**Appearance** Off white  
**Odor** Low  
**Odor Threshold** No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|-----------------|---------------|--------------------------|
| pH              | 12.5          | None known               |

|                                        |                   |            |
|----------------------------------------|-------------------|------------|
| Melting Point/Range                    | No data available | None known |
| Boiling Point/Boiling Range            | No data available | None known |
| Flash Point                            | None              | 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                       | Soluble           | 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 (%) 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.

#### Incompatible materials

None

#### Hazardous decomposition products

None under normal use.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

Inhalation

Harmful by inhalation.

Eye Contact

Eye contact with corrosive substances can cause eye burns.

|                     |                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------|
| <b>Skin Contact</b> | Harmful in contact with skin. Skin contact with corrosive substances can cause skin burns.            |
| <b>Ingestion</b>    | Harmful if swallowed. 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** 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** 1499 mg/kg; Acute toxicity estimate  
**LD50 Dermal** 1495 mg/kg; Acute toxicity estimate

## 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)                                                           |                            |                                       |
| Pentasodium triphosphate |                                    | LC50 48 h: = 1650 mg/L (Leuciscus idus)                                                                       |                            |                                       |
| Sodium carbonate         | EC50 120 h: = 242 mg/L (Nitzschia) | LC50 96 h: 310 - 1220 mg/L static (Pimephales promelas)<br>LC50 96 h: = 300 mg/L static (Lepomis macrochirus) |                            | EC50 48 h: = 265 mg/L (Daphnia magna) |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**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 |
|------------------|----------------------------|
| Sodium hydroxide | Toxic<br>Corrosive         |
| Sodium carbonate | Corrosive                  |

## 14. TRANSPORT INFORMATION

**DOT**

|                                        |                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------|
| <b>UN-Number</b>                       | UN3262                                                                          |
| <b>Proper shipping name</b>            | Corrosive solid, basic, inorganic, n.o.s.                                       |
| <b>Hazard Class</b>                    | 8                                                                               |
| <b>Packing Group</b>                   | II                                                                              |
| <b>Reportable Quantity (RQ)</b>        | Sodium hydroxide: RQ kg= 810.71                                                 |
| <b>Description</b>                     | UN3262, Corrosive solid, basic, inorganic, n.o.s. (Sodium 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>ENCS</b> | Complies |

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - European Existing and New Chemical Substances

**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**

|                                          |     |
|------------------------------------------|-----|
| <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 |
|--------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide         | 1000 lb                     |                        |                           | X                          |
| Pentasodium triphosphate |                             |                        |                           | 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<br>RQ 454 kg final RQ  |
| Pentasodium triphosphate | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 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 |
|--------------------------|------------|---------------|--------------|----------|--------------|
| Sodium hydroxide         | X          | X             | X            |          | X            |
| Pentasodium triphosphate |            | X             | X            |          |              |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

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

Prepared By Sunburst Chemicals  
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 952-884-3144

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**General Disclaimer**

The information provided on this MSDS 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**