

BRELTAK

MSDS ID: 57459

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BRELTAK

Product Descriptor: DEFOAMED POWDERED CAUSTIC DETERGENT FOR HARD WATER

MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

## II. HAZARDOUS COMPONENTS

| Component Name   | CAS Number | %      | Exposure Limits  | Units |
|------------------|------------|--------|------------------|-------|
| SODIUM CARBONATE | 497-19-8   | 1 - 5% | None established |       |
| SODIUM HYDROXIDE | 1310-73-2  | >30%   | TLV-C 2          | MG/M3 |

## III. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW:

CORROSIVE - Contains strong alkali. Causes severe burn to skin and eyes. May be fatal if swallowed. Do not contact eyes, skin or clothing. Wear goggles, face shield, rubber gloves, and protective clothing and boots when handling product. Avoid breathing dust or spray mist. Contain spill or runoff, which may cause environmental damage. Contact with aluminum or soft metals may release flammable hydrogen fumes.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns, tissue damage, or irritation with pain, swelling, blurred or impaired vision, blindness. SKIN: Severe burns, tissue destruction, blisters or rash with swelling and pain. INGESTION: May be fatal. Severe burns to mouth and throat may result with pain, gastric perforation and difficulty in swallowing or breathing. INHALATION: Spray or mists cause burns or severe irritation to nose, throat and respiratory tract with pain, choking, and experience difficulty in breathing.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

## IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

SKIN: Promptly flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and footwear. Launder contaminated clothing and discard or thoroughly clean shoes before reuse. Get medical attention for painful, red or injured skin areas.

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**IV. FIRST AID MEASURES (Cont.)**

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**INGESTION:** If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

**INHALATION:** If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get immediate medical attention.

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**V. FIRE FIGHTING MEASURES**

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**FLASH POINT (degrees F):** N/A **FLAME EXTENSION:** N/A  
**FLAMMABLE LIMITS IN AIR BY VOLUME:** LEL: N/E UEL: N/E  
**UNUSUAL FIRE OR EXPLOSIVE HAZARDS:** Toxic fumes or vapor may form during fire.  
**EXTINGUISHING MEDIA:** Carbon dioxide (CO2), foam or dry powder.  
**FIRE FIGHTING INSTRUCTIONS:** Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.  
**SPECIAL INSTRUCTIONS:** Spilled product may cause slippery surface and fall hazard.

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**VI. ACCIDENTAL RELEASE MEASURES**

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**IF MATERIAL IS RELEASED OR SPILLED:**  
Contain spilled solids. Wear protective clothing. Sweep or shovel solids or powder into a non-reactive chemical waste container. Dispose of materials in accordance with local, State and Federal regulations. Flush spill area with water.  
This product does not contain a reportable quantity (RQ) under CERCLA.

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**VII. HANDLING AND STORAGE**

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**HANDLING AND STORAGE PRECAUTIONS:** STRONG CAUSTIC SOLID. Wear protective gear when using or handling. Product absorbs moisture. Keep container closed when not in use. Add product slowly with mixing to water or liquids to avoid heat, steam or spattering. Do not allow product to collect in bottom of tank to prevent violent reaction.

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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**EYE/FACE PROTECTION:** Chemical goggles if contact or splash hazard exists. Face shields.  
**PROTECTIVE GLOVES:** Alkali resistant.  
**RESPIRATORY PROTECTION:** Product does not have any established exposure limits. Use NIOSH/MSA approved dust mask or dust respirator when handling this product.  
**OTHER PROTECTIVE CLOTHING/EQUIPMENT:** Long sleeved shirt and clothing to cover exposed skin if contact hazard exists. Eyewash and safety shower in area if contact or splash hazard exists.  
**ENGINEERING CONTROLS:**  
**VENTILATION:** Good general ventilation should be sufficient to control airborne

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## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont.)

levels.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Off-white granular powder, slight detergent odor.

BOILING POINT (DEG F): N/A

FREEZING POINT: N/A

SPECIFIC GRAVITY/BULK DENSITY: 1.10

pH: N/A

pH 1% SOLUTION: &gt;13%

VOLATILE BY VOLUME: 0%

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): N/A at N/A

VAPOR DENSITY: N/A

## X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Flammable liquids; Acids; Organic halogens; Aluminum; Soft metals

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon; hydrogen gas; oxides of phosphorus

HAZARDOUS POLYMERIZATION: None known.

## XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

## TOXICITY TEST DATA:

## Sodium Hydroxide:

Acute Oral LD50 (rat) 500 mg/kg (RTECS)

Acute Skin LD50 (rabbit) 1350 mg/kg (MSI)

## Sodium Tripolyphosphate:

Acute Oral LD50 (rat) 4100 mg/kg

## SODIUM CARBONATE:

Acute Oral LD50 (rat) - 4090 mg/kg (RTECS)

Acute Inhalation LC50 (rat, 2 hr.) - 2.3 mg/l (Env. Res. 31:138 (1983))

## XII. ECOLOGICAL INFORMATION

No data available.

## ECOTOXICITY TEST DATA:

## Sodium Carbonate:

Acute LC50 (48 Hr.) (Daphnia magna) 265-565 mg/l

Acute LC50 (96 Hr.) (Lepomis macrochirus) 300-325 mg/l

ENVIRONMENTAL FATE: No data available.

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**XIII. DISPOSAL CONSIDERATIONS**

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RCRA REGULATED: Not Regulated.

Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local regulations.

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**XIV. TRANSPORT INFORMATION**

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Please refer to the Bill of Lading/receiving documents for up to date shipping information.

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**XV. REGULATORY INFORMATION**

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U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: None

VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

None

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 1 SPECIAL: Alkali

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM HYDROXIDE - CAS #1310-73-2

SODIUM CARBONATE - CAS #497-19-8

SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4

SODIUM GLUCONATE - CAS #527-07-1

NONIONIC SURFACTANT - PROPRIETARY

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

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**XVI. OTHER INFORMATION**

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DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.