

Product Code: 301805, 301815, 301830, 301855

# MATERIAL SAFETY DATA SHEET

Comply with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200.

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HMIS RATING: HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 0 PROTECTION = B

NFPA RATING: HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 0

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Belichem180 Buffered Alkaline Detergent

**Distributor:** Belimed  
13840 SW 119<sup>th</sup> Avenue  
Miami, FL 33186-6280  
305-252-3338

**Emergency Contact:** 1-800-535-5053 (24 hours) or  
contact your regional Poison Control.

**MSDS Issue Date:** 11/20/2006

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Wt % (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>
Potassium hydroxide	1310-58-3	--	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	--
Tetrapotassium pyrophosphate	7320-34-5	--	N/D	10 mg/m <sup>3</sup>	--
Potassium silicate	1312-76-1	--	N/D	5 mg/m <sup>3</sup>	--

## SECTION 3 – HAZARD IDENTIFICATION

**Routes of Entry:** Eye contact, skin contact, ingestion.

**Effects of Acute Exposure:**

**Inhalation:** None expected under normal use conditions.

**Eyes:** Burning, redness, excessive tear production and severe irritation.

**Skin:** Irritation, itching, burning and/or redness.

**Ingestion:** Burning or irritation to mouth and throat; stomach pain.

**Effects of Chronic Exposure:** None known.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis and other pre-existing skin conditions.

**Carcinogenicity:** NTP: N/A

**IARC Monographs:** N/A

**OSHA Regulated:** N/A

## SECTION 4 – FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.

**Eyes:** Rinse with water for at least 15 minutes. Seek medical attention immediately.

**Skin:** Rinse with water. If irritation persists, seek medical attention.

**Ingestion:** Do not induce vomiting. Drink a large quantity of water. (If available, give milk or 1 oz. of vinegar in equal amount of water.) Call a physician immediately. Never give anything to an unconscious person.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point (Method Used):** N/A

**Flammable Limits:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Foam, dry chemical, or carbon dioxide.

**Special Fire Fighting Procedures:** Firefighters should use self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** None.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps to Be Taken in Case Material is Released or Spilled:** Where the proper personal protective equipment (see section 8). For small spills, wash with a large amount of water. For large spills, absorb spill with an absorbent material and place in a container for disposal. Wash the spill area with large amounts of water.

## SECTION 7 – HANDLING AND STORAGE

**Precautionary Information:** Keep out of reach of children.

**Handling and Storage Conditions:** Keep container closed when not in use.

## SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**Ventilation:** General ventilation normally adequate.

**Respiratory Protection (Specific Type):** None.

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**Protective Gloves:** Latex, rubber, nitrile, or polyethylene.

**Eye Protection:** Safety glasses.

**Other Protective Clothing or Equipment:** Rubber apron recommended.

**Work/Hygienic Practices:** None.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Color:** Straw

**Odor:** Light

**Specific Gravity (H<sub>2</sub>O = 1):** 1.41

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** N/A

**pH:** 14

**Product State:** Liquid

**Boiling Point:** N/D

**Vapor Pressure (mm Hg.):** N/D

**Vapor Density (AIR = 1):** N/D

**Solubility in Water:** Complete

**VOC:** N/D

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Acids, strong oxidizers and reactive metals.

**Hazardous Decomposition or By-products:** May include and are not limited to hydrogen gas and oxides of carbon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Contact with acids or oxidizers.

## SECTION 11- TOXICOLOGICAL INFORMATION

**Toxicological Data:** N/A

## SECTION 12- ECOLOGICAL INFORMATION

**Environmental Data:** N/A

## SECTION 13- DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all applicable local, state, and federal regulations.

## SECTION 14- TRANSPORTATION INFORMATION

**DOT Regulations (Ground):** Yes

**IATA Regulations (Air):** Yes

**Proper Shipping Name:** Corrosive liquid, basic, organic, n.o.s. (potassium hydroxide, tetrapotassium pyrophosphate)

**Hazard Class Number and Description:** 8, corrosive

**UN/NA Number:** UN3267

**Packaging Group:** III

## SECTION 15- REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product does not contain an amount of any chemical required to be reported under SARA 313.

## SECTION 16 – OTHER INFORMATION

**Additional Information:** Use as directed.

**Note:** N/A or N/D as an information entry means the data is not applicable or determined, respectively.

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