

BendPak Inc.
1645 Lemonwood Dr., Santa Paula, CA 93060
Tel: 1-805-933-9970

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

Revision Date: 04/14/2015

C&B Chemical, Inc.
PO Box 2828
Conroe, TX 77305
Telephone 936-756-2014
Product name: Recirculating Detergent

Print Date: 11/12/15

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: White powder
Odor: Odorless

GHS Classification

Acute Toxicity (oral): Category 4
Skin corrosion: Category 1B
Serious eye damage: Category 1
Specific target organ-toxicity single exposure: Category 3 (Respiratory System)

GHS Label Element



Hazard Pictograms:

Signal word:

Danger

Hazard Statements:

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements:

Prevention:

P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 + P310 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.
P363 Wash contaminated clothing before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Potential Health Effects

Carcinogenicity:



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IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS number	% by Weight
SODIUM METASILICATE; silicic acid disodium salt	6834-92-0	30-50
sodium carbonate	497-19-8	30-50
Sodium phosphate tribasic dodecahydrate	10101-89-0	5-25

4. FIRST AID MEASURES

Eyes: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Ingestion: Move exposed person to fresh air. If irritation persists, get medical attention.

Inhalation: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

5. FIREFIGHTING MEASURES

Flash Point: None

Flammable Limits: Not applicable

Flammability: Non-combustible.

Fire hazard: In a fire or if heated, a pressure increase will occur and the container may burst.

Fire-Fighting Procedures: Use an extinguishing agent suitable for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Spill Cleanup: Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling

Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wash thoroughly after handling. Empty containers retain product residue and can be hazardous. Do not reuse container. Observe label precautions.



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Storage

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

Mechanical ventilation may be required to maintain exposure levels below limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Control parameters

Components with limit values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during the creation were used as basis.

Personal Protective Equipment (PPE)

Eyes Recommended: Safety goggles

Body Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves.

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State: powder
pH: not applicable
Boiling Point: not applicable
Specific Gravity: not applicable
Solubility: Soluble in the following materials: cold water and hot water.
Color: white
Odor: none
Vapor Pressure: Not determined.
Vapor Density: Not determined.
Evaporation Rate: not data available
VOC (Consumer): not applicable

10. STABILITY AND REACTIVITY

Stability and Reactivity The product is stable.
Incompatibility: Slightly reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous Polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO2)

11. TOXICOLOGICAL INFORMATION

Table with 3 columns: Product /Ingredient Name, Result/species/dose, Exposure. Rows include sodium carbonate, Sodium Metasilicate, pentahydrate, and Sodium phosphate tribasic dodecahydrate.



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LD50 Dermal > 2000 mg/kg
LC50 Inhalation rat > 0.83 mg/l
4 hours

Skin corrosion/irritation
Product:
Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation\
Product:
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available
sodium carbonate:
Sodium silicate, pentahydrate:
Sodium phosphate tribasic dodecahydrate:

STOT - single exposure
no data available

STOT - repeated exposure
no data available

Aspiration toxicity
no data available

Further information
Product:
Remarks: no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity
no data available

Persistence and degradability
no data available

Bioaccumulative potential
Product:
Partition coefficient: n-octanol/water :
Remarks: no data available

Mobility in soil
no data available

Other adverse effects
no data available

Product:
Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: no data available



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13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues: Dispose of in accordance with all applicable local, state and federal regulations.
Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers

14. TRANSPORT INFORMATION

International regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations 49 CFR

Not regulated as a dangerous good

15. REGULATORY INFORMATION

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ

SARA 311/312 Hazards: Acute Health Hazard

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, C&B Chemical, Inc. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.