

Safety Data Sheet

BISM Metal Safe

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01 Chemical Product and Company Identification

Product Name BISM Metal Safe
Product Use Solid Machine Dish Detergent
Product Code 3894
For Medical Emergency Call 'Chemtrec' 1-800-424-9300
Manufactured for Blind Industries and Services of Maryland
3345 Washington Blvd., Baltimore MD 21227

02 Hazards Identification

GHS Classification: 1. Skin - Category 2
2. Eyes - Category 2

GHS Label Element:



Signal Word: Warning

Hazard Statement: Causes skin irritation, causes serious eye damage.

Precautionary Statements: Wear protective gloves and eye protection. Wash thoroughly after handling.

Acute Effects

Eyes: Causes serious eye damage.

Skin: Causes skin irritation.

Inhalation: May cause irritation to respiratory tract.

Ingestion: May be irritating to the mouth, throat and gastrointestinal system. Symptoms may include nausea, vomiting, diarrhea and cramps.

Chronic Effects

Carcinogenicity: No known critical effects or critical hazards.

Product /Ingredient Name: Not available.

03 Composition/ Information on Ingredients

Name of Hazardous Ingredients	CAS No.	WT.%
Sodium Tripolyphosphate	7758-29-4	15-25
Sodium Carbonate	497-19-8	10-20
Sodium Silicate	1344-09-8	10-15
Polyacrylic Acid, Sodium Salt	68479-09-4	1-5
Alcohols, C6-10, Ethoxylated Propoxylated	68987-81-5	1-5

04 First Aid Measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Wash with plenty of water for at least 15 minutes. Get medical attention if symptoms persists or develops.

Inhalation: Remove to fresh air. Get medical attention if symptoms occur.

Ingestion: Do not induce vomiting. Drink copious amounts of water. Get medical attention if symptoms occur.

05 Fire Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam

Specific Hazards Arising from the Chemical: Not flammable or combustible.

Hazardous Thermal Decomposition Products: Carbon oxides, phosphorus oxides, hydrogen.

Specific Fire-Fighting Methods: None

Specific Protective Equipment for Fire-Fighters: None

06 Accidental Release Measures

Spill Clean Up: Move Containers from spill area. Collect spilled material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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07 Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Wash thoroughly after handling.

Storage: Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. 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. Separate from acids. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Keep out of the reach of children.

08 Exposure Controls/ Personal Protection

<u>Ingredient Name</u>	<u>Exposure Limits</u>
Sodium Carbonate	OSHA PEL TWA 10 mg/m ³ , Form :Dust
Sodium Tripolyphosphate	OSHA TWA 5 mg/m ³

Personal Protective Equipment (PPE)

Eyes: Safety glasses, splash goggles.

Skin: Wear appropriate protective clothing to prevent skin contact. Wear apron or overall if there is a risk of exposure to spills.

Body: For prolonged or repeated handling, use gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

Respiratory: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

09 Physical and Chemical Properties

Physical State	Cast Solid
Color	Blue
Odor	Bland
pH	10.0-10.5 (1% solution)
Flash point	None
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	Not available
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	98 lb./ft ³
Solubility	Easily soluble in the following materials: hot water
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available
Viscosity	Not available

10 Stability and Reactivity

Stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Heat, flames, ignition sources.

Materials to avoid: Strong acids, alkali sensitive metals.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition should not be produced.

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11 Toxicological Information

Product /Ingredient Name	Result	Species	Dose
Sodium Tripolyphosphate	LD50 Oral	Rat	3120 mg/kg
Sodium Carbonate	LD50 Oral	Rat	4090 mg/kg
Sodium Silicate	LD50 Oral	Rat	1153 mg/kg
Polyacrylic Acid, Sodium Salt	LD50 Oral	Rat	> 5000 mg/kg
Alcohols, C6-10, Ethoxylated Propoxylated	LD50 Oral	Rat	2000-5000 mg/kg

12 Ecological Information

N/A

13 Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14 Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	not regulated	-	-		

Note: DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.

PG*: Packing Group

15 Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313	Product name	CAS number	Concentration
Form R-Reporting requirements	No listed substance		

16 Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of 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.

*Hazard Determination System (HDS):

Health	2
Reactivity	0
Flammability	0

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*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs 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.