
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

SUPERTREX LM PBB-2**MSDS ID: 04326**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUPERTREX LM PBB-2

Product Descriptor: Cooling Tower Treatment

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
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SODIUM MOLYBDATE	7631-95-0	>30%	TLV 10.7	MG/M3
SODIUM TOLYLTRIAZOLE	64665-57-2	5 - 15%	Dust: 10 (ACGIH) and 15 (OSHA)	mg/m3 mg/m3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION-Contains minerals and cleaning agents that cause eye irritation. May be harmful if swallowed. Avoid contact with eyes or clothing. Prolonged contact with undiluted product may cause skin irritation. Avoid breathing dust which may cause respiratory irritation. Wear eye protection and dust mask when using product. Contain spill and runoff to prevent any environmental damage. POSSIBLE ROUTES OF ENTRY: Ingestion and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Irritation with pain, swelling and redness may develop. SKIN: Irritation or dryness develop with long contact. INGESTION: If swallowed, diarrhea, nausea and vomiting may occur. INHALATION: Irritation of respiratory tract may develop.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes and skin.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush skin with plenty of water. Remove and launder contaminated clothing before reuse. Get medical attention for irritation or injury.

INGESTION: Do not take internally. If swallowed, drink several glasses of water. Do not induce vomiting. Contact a physician or poison control center.

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Contain runoff. Prevent from entering sewer or storm drain.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Flush small amounts to drain. Collect and return large amounts to container.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area. Product absorbs moisture. Keep container closed when not in use. Wear protective gear when handling or using.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Eye wash in use area if contact or splash hazard exists.
PROTECTIVE GLOVES: Chemical resistant.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.
ENGINEERING CONTROLS:
MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.
LOCAL VENTILATION: Not usually required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Straw colored powder with mildly pungent odor.

BOILING POINT (DEG F): N/A FREEZING POINT: N/A
SPECIFIC GRAVITY/BULK DENSITY: 0.64
pH: N/A pH 1% SOLUTION: 10.7
VOLATILE BY VOLUME: N/A
SOLUBILITY IN WATER: Miscible
VAPOR PRESSURE(mmHg): N/A at 20 C VAPOR DENSITY: ND

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon and nitrogen.

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X. STABILITY AND REACTIVITY (Cont.)

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

Contains Corrosive and Irritating alkaline chemicals. See Section II for amounts and identity. Acute toxicology tests are listed below.

TOXICITY TEST DATA:

Sodium Tolyltriazole:

Acute Oral LD50 (rat) - 920 mg/kg (male)

Acute Oral LD50 (rat) - 640 mg/kg (female)

XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: Product and waste are harmful to fish and aquatic forms. Discharge process waste and overflow to a sanitary sewer or on-site treatment process.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

Dispose of in accordance with federal, state and local regulations. Do not reuse container.

XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

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

HAPS: Contains no hazardous air pollutants.

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

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 KNOWN

NTP: NO IARC: NO OSHA: NO

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

PERSONAL PROTECTIVE EQUIPMENT: B

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

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM MOLYBDATE - CAS #7631-95-0

HYDROXY ALKYL DIPHOSPHONATE, TETRA SODIUM SALT - CAS #3794-83-0

SODIUM TOLYTRIAZOLE - CAS #64665-57-2

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XV. REGULATORY INFORMATION (Cont.)

PROPYLENE GLYCOL - CAS #57-55-6

SODIUM POLYACRYLATE - CAS #9003-04-2

CALIFORNIA PROPOSITION 65:

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

XVI. OTHER INFORMATION

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.