# SAFETY DATA SHEET

## BIO-MAX® DECHLORINATION TABLETS

### I. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME**  Bio-Max®
**CHEMICAL NAME**  Sodium Sulfite Tablets
**CAS NUMBER**  7757-83-7
**CHEMICAL FAMILY**  Sodium Sulfite
**FORMULA**  Na₂SO₃
**SUPPLIER**  Norweco, Inc.
**220 Republic St.**
**Norwalk, OH USA 44657**
**EMERGENCY TELEPHONE NUMBER**  (800) 424-9300
**TECHNICAL PHONE NUMBER**  (800) 667-9326

### II. HAZARDOUS IDENTIFICATION

#### EMERGENCY OVERVIEW
May cause irritation to eyes, skin and respiratory system on contact. Ingestion may irritate gastrointestinal tract. Large doses may cause violent colic and diarrhea. Wash hands thoroughly after handling. REDUCING AGENT: Stable under normal conditions. Contact with strong oxidizers can cause vigorous exothermic reactions. Contact with acids release sulfur dioxide gas. Non-flammable, but will decompose to dioxide gas in a fire. Use self-contained breathing apparatus when sulfur dioxide gas is present. Do not add this product to any dispensing device containing remains of any other product. Do not allow this product to come in contact with chlorination tablets, granules or pellets.

#### POTENTIAL ACUTE HEALTH EFFECTS

**INHALATION**
Inhalation of dust may irritate respiratory tract.

**INGESTION**
Ingestion may irritate gastrointestinal tract. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression and even death.

**SKIN**
Dust may cause skin irritation from prolonged contact. Solutions will irritate skin. Dust may irritate or burn eyes. Solutions will irritate or burn eyes.

**EYES**
Adverse symptoms may include the following:
- **respiratory tract irritation**
- **gastrointestinal tract irritation**
- **toxic in large dose**

**SKIN**
Adverse symptoms may include the following:
- **pain or irritation**

**EYES**
Adverse symptoms may include the following:
- **pain**

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE**
Pre-existing disorders involving any target organs mentioned in this SDS as being at risk may be aggravated by overexposure to this product.

### III. CONSUMPTION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM SULFITE</td>
<td>92%</td>
</tr>
<tr>
<td>INERT INGREDIENTS</td>
<td>8%</td>
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</tbody>
</table>

**THERE ARE NO ADDITIONAL INGREDIENTS PRESENT WITHIN THE CURRENT KNOWLEDGE OF THE SUPPLIER AND IN THE CONCENTRATIONS APPLICABLE THAT ARE CLASSIFIED AS HAZARDOUS TO HEALTH OR THE ENVIRONMENT AND HENCE REQUIRE REPORTING IN THIS SECTION.**

### IV. FIRST AID PROCEDURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately. Have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

- **EYE CONTACT**
  - Flush immediately with water for at least 20 minutes. Hold eyelids apart to ensure complete irrigation of eye tissue. Seek medical attention.
- **SKIN CONTACT**
  - Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
- **INHALATION**
  - Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention if irritation persists.
- **INGESTION**
  - If conscious, immediately give 2 to 4 glasses of water or milk and induce vomiting under medical supervision. Seek immediate medical attention.

**NOTE TO PHYSICIAN**
No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### V. FIRE-FIGHTING MEASURES

**FLAMMABILITY OF THE PRODUCT**
Product does not burn.

**EXTINGUISHING MEDIA**
Use any fire fighting agent appropriate for surrounding material; use water spray to cool fire-exposed surfaces.

**SUITE FLAMMABILITY**
Not applicable.

**SPECIAL ExPOSURE HAZARDS**
Isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**HAZARDOUS COMBUSTION PRODUCTS**
Sodium sulfite is formed at 600°C, residue is flammable. May yield sulphur dioxide gas upon decomposition at 900°C. Inert ingredients could support combustion by burning, yielding carbon dioxide and water.

**SPECIAL FIREFIGHTING PROCEDURES**
NIOSH/MSHA - Approved, positive pressure, self-contained breathing apparatus with full face piece.

### VI. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**
Wear appropriate personal protective equipment if required. Provide ventilation to clear sulphur dioxide fumes which may form.

**ENVIRONMENTAL PRECAUTIONS**
Do not flush to surface water.

**LARGE SPILL**
Spills exceeding 100 pounds should be reported to the local authorities. Place spilled material in clean, dry containers for disposal. Do not flush to surface water.

**SMALL SPILL**
See Section I for emergency contact information.

**REFERENCE TO OTHER SECTIONS**
See Section VIII for information on appropriate personal protective equipment. See Section XIII for additional waste treatment information.

### VII. HANDLING AND STORAGE

**HANDLING**
Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

**STORAGE**
Keep product dry and in a tightly closed container when not in use. Store in container where temperatures do not exceed 25°C. Partially used, wet or unwanted product may be disposed of in a sanitary landfill. Do not contaminate water, food, or feed by storage or disposal of this product.
VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS

ENGINEERING MEASURES
Per OSHA no permissible exposure limits have been established.

HYGIENE MEASURES
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION

EYES
Chemical splash goggles and face shield.

HANDS
Gloves should be worn.

GLOVES
Natural or synthetic rubber.

GLOVES
Respiratory protection is not required under normal use, however when necessary, use NIOSH/MSHA approved respirator following manufacturer's recommendations. NIOSH approved dust mask is essential where dusting may occur.

SKIN
Boots, aprons or chemical suits as required to prevent skin contact.

ENVIRONMENTAL EXPOSURE CONTROLS
Not applicable

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE
Solid

DENSITY (lb/gal)
125 lbs./cu. ft.

FLASH POINT
Not applicable

VAPOUR PRESSURE
Not applicable

DECOMPOSITION TEMPERATURE
900°C

VAPOUR DENSITY
Not applicable

MATERIAL SUPPORTS COMBUSTION
Not applicable

VOLATILITY
Not applicable

COLOR
Blue-Green Tablet

EVAPORATION RATE
Not applicable

ODOR
Mild Herbal Odor

VISCOSITY
Not applicable

pH
Alkaline

SOLUBILITY
Soluble in the following materials: water

BOILING/CONDENSATION POINT
Decomposes at 900°C

WATER SOLUBILITY AT ROOM TEMPERATURE
Not applicable

MELTING/FREEZING POINT
2.63 (H,0 = 1)

PARTITION COEFFICIENT NOCTANOL/WATER
% SOLID (WW)
100

X. STABILITY AND REACTIVITY

STABILITY
Stable under normal conditions.

CONDITIONS TO AVOID
Avoid moisture and high humidity. High temperatures yield sulfur dioxide gas and sodium sulfite residue.

HAZARDOUS DECOMPOSITION PRODUCTS
Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.

POSSIBILITY OF HAZARDOUS REACTIONS
Sulfur dioxide gas (SO₂) is toxic, corrosive and an oxidizer. Sodium sulfite residue (Na₂S) is flammable and a strong irritant to skin and tissue.

Do not mix with acids or oxidizing agents. Fire or explosion could result.

XI. TOXICOLOGICAL INFORMATION

PERMISSIBLE
No permissible exposure limits have been established by OSHA.

ACUTE
Inhalation of product dust or solution may cause respiratory tract irritation. Dust or solution may burn eyes on contact. Product dust or solution may result in skin irritation upon prolonged contact. Ingestion may irritate gastrointestinal tract. Toxic if taken in large doses.

There are no known or reported effects from chronic exposure.

XII. ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY VALUES
GOLDFISH
Nominal, static - 96 h LC50 100 mg/l

FISHES
Nominal, static - 24, 48 and 96 h TLm
2,500 ppm

MOSQUITO FISH
Not applicable

ENVIRONMENTAL EFFECTS
Not applicable

BIODEGRADABILITY
Not applicable

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Not rated a hazardous substance by USEPA. Collected material can be dissolved in water, exercising caution. Dissolved material can be discharged into an appropriate industrial waste collection system but consult local, state and federal regulating agencies before disposing of any material.

XIV. TRANSPORTATION INFORMATION

IDENTIFICATION NUMBER
Not applicable

PACKING GROUP
Not applicable

REPORTABLE QUANTITY
48 lb.

HMIS/NSF RATING
Not applicable

I.M.O. DESCRIPTION
Reducer

U.S. DOT SHIPPING NAME
Non-Hazardous

U.S. DOT HAZARD CLASS
Non-Hazardous

XV. REGULATORY INFORMATION

UNITED STATES INVENTORY (TSCA 8b)
Yes

EINECS
231-821-4

SARA (311, 312) HAZARD CLASS
Yes, acute and chronic health hazard

CANADA INVENTORY (NSN)
No

SARA TITLE III
Not listed

CERCLA HAZARDOUS SUBSTANCE
No

CANADA REGULATIONS (WHIMIS)
Class D2B - Material causing other toxic effects

CHINA INVENTORY (IECSC)
Inventory of existing chemical substance or otherwise exempt

XVI. OTHER INFORMATION

OTHER SPECIAL
Not applicable

DATE OF ISSUE
January 21, 2015

This Safety Data Sheet is offered solely for your information, consideration and investigation. The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the product and to recommend precautionary measures for the storage and handling of the product. Norwalk Waste Water Equipment Company provides no representations or warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of this product.