I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bio-Max®

CHEMICAL NAME: Sodium Sulfite Tablets

CHEMICAL ABSTRACT SERVICE NO.: CAS #7757-93-7

CHEMICAL FAMILY: Sodium Sulfite

FORMULA: Na₂SO₃

SUPPLIER: Norweco, Inc.

220 Republic St.

Norwalk, OH USA 44857

EMERGENCY TELEPHONE NUMBER: (800) 424-9300

TECHNICAL PHONE NUMBER: (800) NORWECO, (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.

POSSIBLE ACUTE HEALTH EFFECTS:

INHALATION: Inhalation of dust may irritate respiratory tract.

INGESTION: Ingestion may irritate gastrointestinal tract. May cause server 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:

EYES:

OVEREXPOSURE SIGNS/SYMPTOMS:

INHALATION: Adverse symptoms may include the following:

- Respiratory tract irritation

INGESTION: Adverse symptoms may include the following:

- Gastrointestinal tract irritation

SKIN:

EYES:

MIXED 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

SODIUM SULFITE: 92%

INERT INGREDIENTS: 8%

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.

SUITABLE: Not applicable

NOT SUITABLE: 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.

SMALL SPILL: Place spilled material in clean, dry containers for disposal. Do not flush to surface water.

REFERENCE TO OTHER SECTIONS: See Section I for emergency contact information. 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 125°F. 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.
SAFETY DATA SHEET
BIO-MAX® DECHLORINATION TABLETS

DATE PREPARED: JANUARY 2018

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS

RECOMMENDED MONITORING PROCEDURES Per OSHA, no permissible exposure limits have been established.

ENGINEERING MEASURES Not applicable

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.

RESPIRATORY 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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Solid

FLASH POINT Not applicable

DECOMPOSITION TEMPERATURE Not applicable

MATERIAL SUPPORTS COMBUSTION Blue-Green Tablet

COLOR Blue-Green Tablet

ODOR Mild Herbal Odor

pH Alkaline

BOILING/CONDENSATION POINT Decomposes at 900°C

MELTING/FREEZING POINT Not applicable

SPECIFIC GRAVITY 2.63 (H₂O = 1)

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

VAPOR PRESSURE Not applicable

VAPOR DENSITY Not applicable

VOLATILITY Not applicable

EVAPORATION RATE Not applicable

VISCOSITY Not applicable

SOLUBILITY Not applicable

WATER SOLUBILITY AT ROOM TEMPERATURE Soluble in the following materials: water

PARTITION COEFFICIENT NOCTANOL-WATER 100

% 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.

MATERIALS TO AVOID Strong oxidizers cause vigorous exothermic reactions. Acids release sulfur dioxide gas.

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

POSSIBILITY OF HAZARDOUS REACTIONS 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 Inhalation of product dust or solution may cause respiratory tract irritation.

EYE/SKIN Dust or solution may burn eyes on contact. Product dust or solution may result in skin irritation upon prolonged contact.

INGESTION Ingestion may irritate gastrointestinal tract. Toxic if taken in large doses.

CHRONIC There are no known or reported effects from chronic exposure.

XII. ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY VALUES

GOLDFISH Nominal, static - 24, 48 and 96 h LC₅₀

FISHES Nominal, static - 24, 48 and 96 h TLₐₐ₉ₐₕ

MOSQUITO FISH 2,600 ppm

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/NFPA RATING Not applicable

I.M.O. DESCRIPTION Reducer

U.S. DOT SHIPPING NAME Non-Hazardous Tablets, Item NM503401

U.S. DOT HAZARD CLASS Non-Hazardous

XV. REGULATORY INFORMATION

UNITED STATES INVENTORY (TSCA 8b) SARA (311, 312) HAZARD CLASS Yes, acute and chronic health hazard

EINECS SARA (313) CHEMICALS Not listed

CANADA INVENTORY (NSN) SARA EXTREMELY HAZARDOUS SUBSTANCE Not listed

CERCLA HAZARDOUS SUBSTANCE SARA TITLE III Not listed

CHINA INVENTORY (IECSC) CANADA REGULATIONS (WHIMIS) Class D29 - Material causing other toxic effects

XVI. OTHER INFORMATION

OTHER SPECIAL Not applicable

DATE OF ISSUE January 21, 2018

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