norweco®

SAFETY DATA SHEET
BIO-NEUTRALIZER® DECHLORINATION TABLETS

EMERGENCY TELEPHONE: (800) 424-9300

DATE PREPARED: JANUARY 2024

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Bio-Neutralizer®
CHEMICAL NAME	Sodium Sulfite Tablets
CHEMICAL ABSTRACT SERVICE NO.	CAS #7757-83-7
CHEMICAL FAMILY	Sodium Sulfite
FORMULA	Na_2SO_3
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.
POTENTIAL 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	Dust may cause skin irritation from prolonged contact. Solutions will irritate skin.
EYES	Dust may irritate or burn eyes. Solutions will irritate or burn eyes.
OVER EXPOSURE SIGNS/SYMPTOMS	
INHALATION	Adverse symptoms may include the following: respiratory tract irritation
INGESTION	Adverse symptoms may include the following: 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. COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM SULFITE	35%
INERT INGREDIENTS	65%

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

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.
ENVIRONMENTAL EXPOSURE CONTROLS	Not applicable

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid	DENSITY (lbs/gal)	125 lbs./cu.ft.^{3}
FLASH POINT	Not applicable	VAPOR PRESSURE	Not applicable
DECOMPOSITION TEMPERATURE	900°C	VAPOR DENSITY	Not applicable
MATERIAL SUPPORTS COMBUSTION	Not applicable	VOLATILITY	Not applicable
COLOR	Green Tablet	EVAPORATION RATE	Not applicable
ODOR	Mild 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	28% at 80°C
MELTING/FREEZING POINT	Not applicable	PARTITION COEFFICIENT NOCTANOL/WATER	Not available
SPECIFIC GRAVITY	2.63 (H_2O = 1)	% SOLID (W/W)	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 (SO_2) is toxic, corrosive and an oxidizer. Sodium sulfite residue (Na_2S) 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 - 96 h LC50 100 mg/l
FISHES	Nominal, static - 24, 48 and 96 h TLm
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	I.M.O. DESCRIPTION	Reducer
PACKING GROUP	Not applicable	U.S. DOT SHIPPING NAME	Non-Hazardous Tablets, Item NM503401
REPORTABLE QUANTITY	25 lb. and 45 lb.	U.S. DOT HAZARD CLASS	Non-Hazardous
HMIS/NFPA RATING	Not applicable		

XV. REGULATORY INFORMATION

UNITED STATES INVENTORY (TSCA 8b)	Yes	**SARA (311, 312) HAZARD CLASS**	Yes, acute and chronic health hazard
EINECS	231-821-4	**SARA (313) CHEMICALS**	Not listed
CANADA INVENTORY (NSN)	DSL	**SARA EXTREMELY HAZARDOUS SUBSTANCE**	Not listed
CERCLA HAZARDOUS SUBSTANCE	No	**SARA TITLE III**	Not listed
CHINA INVENTORY (IECSC)	Inventory of existing chemical substance or otherwise exempt	**CANADA REGULATIONS (WHIMIS)**	Class D2B - Material causing other toxic effects

XVI. OTHER INFORMATION

OTHER SPECIAL	Not applicable
DATE OF ISSUE	January 4, 2024

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 WASTEWATER 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.