

## **SAFETY DATA SHEET** **BIO-NEUTRALIZER® DECHLORINATION TABLETS**

EMERGENCY TELEPHONE: (800) 424-9300

DATE PREPARED: JANUARY 2017

### **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<sub>2</sub>SO<sub>3</sub>  
SUPPLIER Norweco, Inc.  
220 Republic St.  
Norwalk, OH USA 44857  
(800) 424-9300  
(800) NORWECO, (800) 667-9326

EMERGENCY TELEPHONE NUMBER  
TECHNICAL PHONE NUMBER

**Distributed By:**  
**SAL Chemical**  
**3036 Birch Drive**  
**Weirton, WV 26062**  
**304-748-8200**

### **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. CONSUMPTION/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.

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### VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS

RECOMMENDED MONITORING PROCEDURES  
ENGINEERING MEASURES  
HYGIENE MEASURES

Per OSHA no permissible exposure limits have been established.  
Not applicable

#### PERSONAL PROTECTION

EYES  
HANDS  
GLOVES  
RESPIRATORY

Chemical splash goggles and face shield.  
Gloves should be worn.  
Natural or synthetic rubber.

SKIN  
ENVIRONMENTAL EXPOSURE CONTROLS

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.  
Boots, aprons or chemical suits as required to prevent skin contact.  
Not applicable

### IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid	DENSITY (lbs/gal)	125 lbs./cu.ft. <sup>3</sup>
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 <sub>2</sub> O = 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 <sub>2</sub> ) is toxic, corrosive and an oxidizer. Sodium sulfite residue (Na <sub>2</sub> S) 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.
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### 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 21, 2017

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.