

# 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<sub>2</sub>SO<sub>3</sub>

SUPPLIER:  
 SCIENCOFAST, INC.  
 200 SUN VALLEY CIR  
 FENTON, MO 63026  
 314-756-9300

### 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** Use any fire fighting agent appropriate for surrounding material; use water spray to cool fire-exposed surfaces.  
**SUITABLE** Not applicable  
**NOT SUITABLE** 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.  
**SPECIAL EXPOSURE HAZARDS** 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.  
**HAZARDOUS COMBUSTION PRODUCTS** NIOSH/MSHA - Approved, positive pressure, self-contained breathing apparatus with full face piece.  
**SPECIAL FIREFIGHTING PROCEDURES**

### 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

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.  
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. |
|----------------|--|

### 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.