

GENERAL CHEMICAL & PHYSICAL PROPERTIES BIO-NEUTRALIZER® DECHLORINATION TABLETS

EMERGENCY TELEPHONE: (800) 424-9300

CHEMTREC #16012

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NOTE: THIS PRODUCT IS NOT RATED A HAZARDOUS MATERIAL BY THE U.S. DEPARTMENT OF TRANSPORTATION OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY. THE FOLLOWING DATA IS FOR INFORMATIONAL PURPOSES ONLY.

I. PRODUCT IDENTIFICATION

TRADE NAME	Bio-Neutralizer®
CHEMICAL	Sodium Sulfite
CHEMICAL ABSTRACT SYSTEM NO.	CAS #7757-83-7
CHEMICAL DESCRIPTION	Reducer
FORMULA	Na ₂ SO ₃
U.S. DOT SHIPPING NAME	Non-hazardous tablets, Item NM503401
U.S. DOT HAZARD CLASS	Non-hazardous

II. INGREDIENTS

HAZARDOUS INGREDIENTS	None
NON-HAZARDOUS INGREDIENTS	Sodium Sulfite 35% Inert Ingredients 65% (Includes sustained release agents)

III. PHYSICAL DATA

BOILING POINT AT 760 mm Hg	Decomposes at 900° C
FREEZING/MELTING POINT	Not Applicable
SOLUBILITY IN H ₂ O: % BY WEIGHT	25% at 80° C
SPECIFIC GRAVITY OF TABLET	2.63 (H ₂ O = 1)
APPROXIMATE TABLET DENSITY	125 lbs./ft ³
pH OF SOLUTION	Alkaline
VOLUME % VOLATILE	Not Applicable
APPEARANCE AND ODOR	Green Tablet with Mild Odor

IV. FIRE AND EXPLOSION DATA

FLASH POINT	Not Applicable
FLAMMABLE LIMITS IN AIR	Not Applicable
EXTINGUISHING MEDIA	Use extinguishing media appropriate for burning material. Compatible with water fog, spray foam or CO ₂ .
SPECIAL FIRE FIGHTING PROCEDURES	NIOSH/MSHA-Approved, positive pressure, self-contained breathing apparatus with full face piece.
UNUSUAL FIRE & EXPLOSION HAZARD	At 600° C, Sodium Sulfide is formed. At 900° C, Sulfur Dioxide is formed. Inert ingredients could support combustion by burning, yielding carbon dioxide and water. Use self-contained breathing apparatus for fire fighting.

V. HEALTH HAZARD DATA

ACUTE TOXICITY DATA (ANIMAL)

LC 50 INHALATION	See effects of overexposure.
LD 50 ORAL	2825 MG/KG (Rabbit)
LD 50 DERMAL	See effects of overexposure.
LC 50 AQUATIC	Very high concentrations will chemically deplete dissolved oxygen necessary for aquatic life.
CHRONIC TOXICITY	Sodium Sulfite may cause allergic reactions in sensitive individuals. Contact with strong acids or high temperatures may generate Sulfur Dioxide, which is toxic, corrosive and hazardous.

VI. EFFECTS OF OVEREXPOSURE

PERMISSIBLE	No permissible exposure limits have been established by OSHA.
ACUTE	
INHALATION	Inhalation of product dust or solution may cause respiratory tract irritation.
EYE	Dust or solution may burn eyes on contact.
SKIN	Product dust or solution may result in skin irritation upon prolonged contact.
INGESTION	Ingestion may irritate gastrointestinal tract. Toxic if taken in large doses.

VII. EMERGENCY AND FIRST AID PROCEDURES

INHALATION	Remove to fresh air. If not breathing, resuscitate and administer oxygen if readily available. Seek medical attention immediately.
EYE CONTACT	Immediately flush with large amounts of water for fifteen (15) minutes, rinsing eye thoroughly. Get medical attention.
SKIN CONTACT	Wash with plenty of soap and water for fifteen (15) minutes. Remove contaminated clothing. If skin irritation occurs, get medical attention. Wash clothing before reuse.
INGESTION	If <u>conscious</u> , drink large quantities of water or milk and induce vomiting. Call a physician immediately. Avoid alcohol. If <u>unconscious</u> , or in convulsions, seek medical attention immediately. Do not give anything by mouth to an unconscious person.

VIII. STEPS FOR MATERIAL SPILL

Spills exceeding 100 pounds should be reported to the local authorities.

1. Contain all spilled material, wearing appropriate protective equipment.
2. Place spilled material in clean, dry containers for disposal. Do not flush to surface water.

WASTE DISPOSAL METHOD

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

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	If dusty conditions are encountered, use NIOSH/MSHA respirator with acid gas cartridge and dust pre-filter.
VENTILATION	Store and use in a well-ventilated area.
EYE PROTECTION	Chemical safety goggles.
GLOVES	Natural or synthetic rubber.
OTHER PROTECTIVE EQUIPMENT	Boots, aprons or chemical suits as required to prevent skin contact.

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