



# SAFETY DATA SHEET

## ENVIROREDI™ DECHLORINATION TABLETS

EMERGENCY TELEPHONE: (800) 424-9300

DATE PREPARED: JANUARY 2024

### I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Enviroredi™
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	Promag Enviro Systems 8042 Winston Street Burnaby, BC V5A 2H5 (800) 424-9300
EMERGENCY TELEPHONE NUMBER	
TECHNICAL PHONE NUMBER	

### 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	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	
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

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.<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

Blue-Green Tablet

EVAPORATION RATE

Not applicable

ODOR

Mild Herbal 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

48 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.