



255 Norman.
Lachine (Montreal), Que
H8R 1A3

Material Safety Data Sheet

EMERGENCY NUMBERS:

(USA) CHEMTREC : 1(800) 424-9300 (24hrs)
(CAN) CANUTEC : 1(613) 996-6666 (24hrs)
(USA) Anachemia : 1(518) 297-4444
(CAN) Anachemia : 1(514) 489-5711

WHMIS	Protective Clothing	TDG Road/Rail
WHMIS CLASS: D-2B		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.

Section I. Product Identification and Uses

Product name	EDTA, DISODIUM SALT	CI#	Not available.
Chemical formula	Na ₂ C ₁₀ H ₁₄ N ₂ O ₈ .2H ₂ O	CAS#	6381-92-6
Synonyms	(Ethylenedinitrilo)tetraacetic acid disodium salt, Disodium EDTA, EDTA disodium salt dihydrate, Disodium ethylenediaminetetraacetate dihydrate, AC-4231, AC-4231P, AC-4231T, 37560, 37641, 37653	Code	AC-4231
Supplier	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3	Formula weight	372.24
		Supersedes	
Material uses	For laboratory use only.		

Section II. Ingredients

Name	CAS #	%	TLV
1) (ETHYLENEDINITRIL0)TETRAACETIC ACID, DISODIUM SALT DIHYDRATE	6381-92-6	60-100	Not established by ACGIH

Toxicity values of the hazardous ingredients

(ETHYLENEDINITRIL0)TETRAACETIC ACID, DISODIUM SALT:
ORAL (LD50): Acute: 2000 mg/kg (Rat). 2050 mg/kg (Mouse). 2300 mg/kg (Rabbit).
INTRAPERITONEAL (LD50): Acute: 260 mg/kg (Mouse).
INTRAVENOUS (LD50): Acute: 47 mg/kg (Rabbit). 56 mg/kg (Mouse).

Section III. Physical Data

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Physical state and appearance / Odor	White crystalline solid. Odorless.
pH (1% soln/water)	4-5.8
Odor threshold	None
Percent volatile	0% at 21°C
Freezing point	Decomposes.
Boiling point	Not applicable.
Specific gravity	Not applicable.
Vapor density	Not applicable.
Vapor pressure	Not applicable.
Water/oil dist. coeff.	Not available.
Evaporation rate	Not applicable.
Solubility	~10% (in H ₂ O)

Section IV. Fire and Explosion Data

Flash point	Not applicable.
Flammable limits	Not applicable.
Auto-ignition temperature	Not applicable.
Fire degradation products	Oxides of carbon, sodium and nitrogen.
Fire extinguishing procedures	Use DRY chemical, carbon dioxide, alcohol-resistant foam or water spray. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode.
Fire and Explosion Hazards	The sensitivity to static discharge is not applicable. Not expected to be sensitive to mechanical impact. Emits toxic fumes under fire conditions.

Section V. Toxicological Properties

Routes of entry	Inhalation and ingestion. Eye contact. Skin contact.
Effects of Acute Exposure	Harmful by ingestion, inhalation, or skin absorption. Irritant.
Eye	Causes irritation (tearing, stinging, redness).
Skin	Causes skin irritation.
Inhalation	Material is irritating to mucous membranes and upper respiratory tract. Exposure can cause coughing, chest pains, and difficulty in breathing.
Ingestion	Harmful if swallowed. Causes gastrointestinal irritation.

Section V. Toxicological Properties

Effects of Chronic Overexposure Sodium salts of EDTA have been reported to cause birth defects in animals at very high doses not expected in occupational exposures. These effects were observed only at dose levels that were toxic to the mother. Embryotoxic and/or foetotoxic in animal. Carcinogenic effects: Not available. Toxicity of the product to the reproductive system: Not available. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated. Medical conditions which may be aggravated: Individuals with preexisting diseases of the skin, eye, or respiratory system may be more susceptible to the toxicity of overexposure to this product.

Section VI. First Aid Measures

Eye contact Immediately flush eyes with copious quantities of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Seek immediate medical attention.

Skin contact Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing.

Inhalation Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.

Ingestion If conscious, wash out mouth with water. Have conscious person drink several glasses of water to dilute. DO NOT induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious or convulsing person.

Section VII. Reactivity Data

Stability Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.

Hazardous decomp. products Not available.

Incompatibility Oxidizing agents. Metals.

Reaction Products Not available. Hazardous polymerization will not occur.

Section VIII. Preventive Measures

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Protective Clothing in case of spill and leak Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Spill and leak Evacuate and ventilate the area. Sweep up and place in container for disposal. Avoid raising dust. Wash spill site after material pick up is complete. DO NOT touch spilled material.

Waste disposal According to all applicable regulations. Harmful to aquatic life at low concentrations. Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

Storage and Handling Store in a cool place away from heated areas, sparks, and flame. Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe dust. Keep container tightly closed and dry. Manipulate in a well ventilated area or under an adequate fume hood. Avoid raising dust. Handle and open container with care. Minimize dust generation and exposure - use dust mask or appropriate protection. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling.

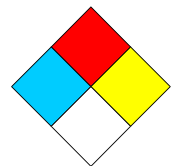
Section IX. Protective Measures

Protective clothing Splash goggles. Impervious gloves, apron, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. Wear an effective dust mask, if dust may be present in the work atmosphere. Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.

Engineering controls Local mechanical exhaust ventilation capable of minimizing dust emissions at the point of use. Do not use in unventilated spaces.

Section X. Other Information

Special Precautions or comments Irritant! Do not breathe dust. Avoid all contact with the product. Avoid prolonged or repeated exposure. Use in a chemical fume hood. Handle and open container with care. Container should be opened only by a technically qualified person. Synergistic materials: Not available. RTECS NO: AH4375000 (EDTA, disodium salt).



NFPA

Prepared by MSDS Department/Département de F.S..

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Telephone# (514) 489-5711

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