

EMERGENCY NUMBERS:

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(USA) Anachemia : 1(518) 297-4444

(CAN) Anachemia : 1(514) 489-5711

WHMIS	Protective Clothing	TDG Road/Rail
WHMIS CLASS: C E		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.
 	   	

Section I. Product Identification and Uses

Product name	CERIC SULFATE	CI#	Not available.
Chemical formula	Ce(SO ₄) ₂ .2H ₂ SO ₄	CAS#	13590-82-4
Synonyms	Cerium(IV) sulfate, Ceric bisulfate, Ceric disulfate, Tetrasulfato-ceric acid, AC-2128, AC-2129, 21528, 21540	Code	AC-2128
Supplier	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3	Formula weight	528.43
		Supersedes	
Material uses	For laboratory use only.		

Section II. Ingredients

Name	CAS #	%	TLV
1) CERIC SULFATE	13590-82-4	90-100	Not established by ACGIH

Toxicity values of the hazardous ingredients

 CERIC SULFATE:
 LD50: Not available.
 LC50: Not available.

Section III. Physical Data

Physical state and appearance / Odor	Solid. (Yellow crystalline powder. Odorless.)
pH (1% soln/water)	Not available.
Odor threshold	Not available.
Percent volatile	Not available.
Freezing point	Decomposes at >100°C.
Boiling point	Not applicable.
Specific gravity	Not available.
Vapor density	Not available.
Vapor pressure	Not available.
Water/oil dist. coeff.	Not available.
Evaporation rate	Not available.
Solubility	Decomposes in water.

Section IV. Fire and Explosion Data

Flash point	Not available.
Flammable limits	Not available.
Auto-ignition temperature	Not available.
Fire degradation products	Oxides of sulfur and cerium.
Fire extinguishing procedures	Use extinguishing media suitable for surrounding materials. 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	Oxidizing agent; may ignite oxidizable materials. Contributes to combustion of other materials. Contact with other material may cause fire and/or explosion. The sensitivity to static discharge is not available. The sensitivity to impact is not available. 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. Corrosive.
Eye	Eye irritation with redness, pain, and eye damage or blindness.
Skin	Causes skin irritation, redness, pain, and burns.
Inhalation	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract. Symptoms of exposure may include burning sensation, coughing, dyspnea. May cause a increase in the blood coagulation rate.
Ingestion	Burns in mouth, pharynx and gastrointestinal tract. May cause nausea, vomiting, abdominal pain, and diarrhea.

Section V. Toxicological Properties

Effects of Chronic Overexposure Blood damage. See acute effects. Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic 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.

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 and soap for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. 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 or milk. 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 materials, reducing materials, combustible materials, organic materials, easily oxidizable materials, powdered metals.

Reaction Products Contact with other material may cause fire and/or explosion. Hazardous polymerization will not occur.

Section VIII. Preventive Measures

CERIC SULFATE

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Protective Clothing in case of spill and leak Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Full suit.

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 empty into drains. DO NOT touch spilled material. Avoid contact with a combustible material (wood, paper, oil, clothing...).

Waste disposal According to all applicable regulations. May be harmful to aquatic life. 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 under an adequate fume hood. Avoid raising dust. Empty containers may contain a hazardous residue. Avoid contact with a combustible material (wood, paper, oil, clothing...). May catch fire in contact with combustible materials. Handle and open container with care. Minimize dust generation and exposure - use dust mask or appropriate protection. Take off immediately all contaminated clothing. 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. In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible.). Do not store on wood floors.

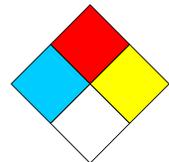
Section IX. Protective Measures

Protective clothing Splash goggles and/or face shield. Impervious rubber gloves, apron, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. A OSHA/MSHA jointly approved respirator is advised in the absence of proper environmental controls. For emergency situations, a self-contained respirator is recommended (NIOSH-approved). 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 Oxidizing agent; may ignite oxidizable materials. Corrosive! Do not breathe dust. Avoid all contact with the product. Avoid prolonged or repeated exposure. Use in a chemical fume hood. Keep away from heat, sparks and flame. Contact with other material may cause fire and/or explosion. Handle and open container with care. Container should be opened only by a technically qualified person.
RTECS NO: WS6960000 (Ceric sulfate)



NFPA

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

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