



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Cerium (III) Chloride Solution**

MANUFACTURER:

Prochem, Inc.
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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H303	May be harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation.

Precautionary Phrases

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312	IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS CLASSIFICATION:

Health: 2

Flammability: 0

Reactivity: 0

NFPA RATING:

Health: 2

Fire: 0

Reactivity Hazard: 0

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

POTENTIAL HEALTH EFFECTS: Inhalation

EYE CONTACT: Causes severe irritation to eyes.

SKIN CONTACT: Causes irritation of the skin.

INHALATION: Inhalation of vapor/mist can lead to irritation of the respiratory tract.

INGESTION: No data

CHRONIC HEALTH EFFECTS: None known

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Molecular Weight: No data

CHEMICAL NAME	CAS#	%
Cerium (III) Chloride hexahydrate	18618-55-8	66
Water	7732-18-5	34

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for at least 15 minutes.

Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. If redness or irritation persists, get medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation of redness persists.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Do not induce vomiting. Seek medical assistance immediately.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

EXTINGUISHING MEDIUM: Not applicable

SPECIAL FIRE FIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Toxic fumes of hydrogen chloride gas is emitted.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Evacuate area if necessary. Wear full protective suit, gloves, and respirator. Ventilate area.

ENVIRONMENTAL PRECAUTIONS: Do not allow material to be released to the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Isolate spill. Soak up with inert material (sand, vermiculite, etc.). Dispose of in accordance with all waste disposal regulations.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Be sure to have appropriate exhaust and ventilation.

CONDITIONS FOR SAFE STORAGE: Keep in a tightly sealed container. Store in a cool, dry well-ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles when handling a chemical substance in the laboratory.

SKIN PROTECTION: Wear appropriate chemical resistant gloves.

VENTILATION: Local exhaust

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION (Cont.)

RESPIRATOR: If ventilation is not available, a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34

ADDITIONAL PROTECTION: Use in a controlled environment. Wear adequate protection to avoid contact with skin, eyes, clothing, and shoes. Eyewash and shower capable of sustained flushing should be readily available. Do not eat, smoke, or drink in area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Yellow liquid

MELTING POINT: No data

BOILING POINT: No data

MOLECULAR WEIGHT: No data

VAPOR PRESSURE: Not applicable

VAPOR DENSITY (AIR = 1): No data

% VOLATILE BY VOLUME: Non volatile

SOLUBILITY IN WATER: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No data

INCOMPATIBILITY: Oxidizing agents, acids, and bases

DECOMPOSITION PRODUCTS: Toxic fumes of hydrogen chloride gas.

SECTION 11 TOXICOLOGICAL DATA

CARCINOGENIC EFFECTS: No data

MUTAGENIC EFFECTS: No data

TETRATOGENIC EFFECTS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Not a hazardous material

SECTION 15 REGULATORY INFORMATION

TSCA: No data

SARA (TITLE 313): None

RCRA: No data

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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