



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Cesium chloride**  
PRODUCT NO: 1444  
CAS NO: 7647-17-8

### MANUFACTURER:

Prochem, Inc.  
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Rockford, IL 61109

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

### HMIS CLASSIFICATION:

Health: 1 Flammability: 0 Reactivity: 0

### NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** May cause eye irritation

**SKIN CONTACT:** May be harmful if absorbed through skin. May cause skin irritation.

**INHALATION:** May be harmful if inhaled. May cause respiratory tract irritation.

**INGESTION:** May be harmful if swallowed.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: CsCl

Molecular Weight: 168.36

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Cesium chloride	7647-17-8	100	No data	No data

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Check for and remove any contact lenses. Immediately flush the eyes with running water for at least 15 minutes, keeping eyelids open. Do not use an eye ointment. Seek medical attention.

**SKIN EXPOSURE:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

## SECTION 4 FIRST AID MEASURES (Cont.)

**INHALATION:** Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.

**INGESTION:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Product is not flammable

**AUTO IGNITION TEMPERATURE:** Not applicable

**EXPLOSION LIMITS:** No data

**EXTINGUISHING MEDIUM:** Use fire-fighting measures that suit the surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** If 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:** Hydrogen chloride gas, Cesium/cesium oxides

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** No unusual fire or explosion hazards.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical attention immediately. Avoid contact with skin and eyes.

**CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Colorless solid

**MELTING POINT:** 645°C

**BOILING POINT:** 1290°C

**MOLECULAR WEIGHT:** 168.36

**ODOR:** No data available

**SPECIFIC GRAVITY:** 3.99 gm/ml

**VAPOR PRESSURE:** No data available

**SOLUBILITY IN WATER:** Soluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization

## SECTION 10 STABILITY AND REACTIVITY (Cont.)

**CONDITIONS TO AVOID:** Avoid moisture

**INCOMPATIBILITY:** Strong oxidizing agents, strong acids

**DECOMPOSITION PRODUCTS:** Hydrogen chloride gas, Cesium/cesium oxides

## SECTION 11 TOXICOLOGICAL DATA

**RTECS:** FK9625000

**CARCINOGENIC EFFECTS:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**MUTAGENIC EFFECTS:** No data

**TERATOGENIC EFFECTS:** No data

**ACUTE TOXICITY DATA:** LD50 Oral: 2004 mg/kg (rat)

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

Non-hazardous material

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Listed in the TSCA Inventory

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (TITLE 313):** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS:** No components are subject to the Massachusetts Right to Know Act.

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Caesium chloride

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Caesium chloride

**CALIFORNIA PROP. 65 COMPONENTS:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 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.

DATE PREPARED: 03/14

SDS DEPT.