

MATERIAL SAFETY DATA SHEET

269-138800, Rev A

This sheet is to inform you of any hazards that may be associated with this product. However, we claim no responsibility for its completeness or accuracy. This data does not relate to any use of this product, alone or in combination with any other material or processes.

Thermo
SCIENTIFIC

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5225 Verona Road
Madison WI 53711

Telephone: 1 800 532 4752 (U.S.A.), +1 608 273 5017 (International)
E-mail: us.techsupport.analyze@thermofisher.com (U.S.A.),
support.madison@thermofisher.com (International)

Emergency telephone number: 1-608-276-6373

General Information

Note: "N/A" means not applicable or not available.

Product name:	Cesium iodide
Proper shipping name:	Cesium iodide
Trade name:	Cesium iodide
Hazard class:	N/A
IMCO class:	N/A
UN-NO. class:	N/A

Hazardous Ingredients/Identity Information

Ingredient:	Cesium iodide
% by weight:	100%
CAS number:	7789-17-5
SARA 313:	N/A
Listed as a carcinogen	
NTF/IARC/OSHA:	N/A
EQ (lbs):	N/A
TLV	
ppm:	N/A
mg/m ³ :	N/A

Physical/Chemical Characteristics

Material state:	Solid, crystalline powder
Specific gravity (water = 1):	4.51
Density (lbs/gal):	37.64
Appearance and odor:	Colorless, odorless
Boiling point range:	2336°F
PE value theoret. 10% sol. VOC:	6 - 10
Vapor density (air = 1):	N/A
Vapor pressure (mm Hg):	N/A
Evaporation rate:	N/A
% Volatile by weight:	N/A
Solubility in water:	74 g in 100 g water at 68°F

Fire and Explosion Hazard Data

Flash point (°F):	N/A
Estimated flammable limits	
LEL:	N/A
UEL:	N/A
Extinguishing media:	N/A
Special fire-fighting procedures:	N/A
Unusual fire and explosion hazards:	N/A

Reactivity Data

Stability

Stable when stored in dry and tightly closed container and not exposed to sunlight directly.

Incompatibility (materials to avoid)

Oxidizing agents and strong acids.

Hazardous decomposition products

N/A

Conditions to avoid

Avoid contact with oxidizing agents and strong acids.

Hazardous polymerization

N/A

Health Hazard Data

Primary routes of entry

Skin contact:	X
Skin absorption:	
Eye contact:	X
Inhalation acute:	X
Inhalation chronic:	
Ingestion:	X

Effects of acute overexposure

Strong irritation of skin, eyes or mucous membranes.

Effects of chronic overexposure

N/A

Emergency and first aid procedures

In case of contact with skin, eyes or mucous membranes, rinse with plenty of water. Seek medical advice, same as swallowed or breathed. Remove contaminated clothes.

Threshold limit value

N/A

Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled

Put material in dry container and close tightly. Dispose of remaining material in accordance with federal, state and local regulations. Also see the "Disposal Data" section.

CERCLA (Superfund) reportable quantity

N/A

RCRA hazardous waste no. (40 CFR 261.33)

N/A

Special precautions

Store in tightly closed container, away from incompatible materials (see the "Reactivity Data" section). Do not expose to sunlight directly. Hydrogen iodide will be produced when material is in contact with strong acids. Avoid contact with skin, eyes, mucous membranes and clothing. Wash thoroughly after handling.

Other precautions

Handle with care. Avoid contact with skin, eyes, mucous membranes and clothes. Empty containers may still contain cesium iodide residue. Do not reuse empty containers. Avoid discharge into sewers and waterways.

Medical surveillance

Does not apply to this product.

Control Measures

Respiratory protection:	In the case where overexposure may exist, the use of NIOSH-MSHA dust and mist respirator is advised. Controls should be implemented to control dust.
Ventilation:	Provide sufficient mechanical and/or local exhaust.
Protective clothing:	Rubber or plastic gloves should be worn.
Work/hygienic practices:	Wash thoroughly with soap and water after handling and before eating or smoking.
Other protective equipment:	Normal work clothing covering arms and legs should be worn.
Eye protection:	Safety goggles.

Disposal Data

Waste disposal method

Dispose of material in accordance with federal, state and local regulations. Addition of other constituents may cause the material to be considered hazardous waste.

Label Data

Special regulatory information

EPA Toxic Substances Control Act:	All chemical substances in this product comply with all applicable rules or orders under TSCA.
California Proposition 65:	N/A

Disclaimer

We have compiled the information and regulations contained in this Material Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, quantity or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products.