

PRMI

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: LUTETIUM SULFATE

PRODUCT NUMBER: 2431

CAS#13473-77-3

FORMULA: Lu₂(SO₄)₃·8H₂O

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13473-77-3	100	Not Determined	Not Determined

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: May be mildly irritating to the respiratory tract, skin and eyes.

PRIMARY ROUTES OF EXPOSURE: Contact with skin and eyes. Inhalation of dust.

EYE CONTACT: Causes irritation of the eyes.

SKIN CONTACT: May cause slight irritation of the skin.

INHALATION: May cause irritation to nose, throat and respiratory tract.

INGESTION: No Data

ACUTE HEALTH EFFECTS: No Data

CHRONIC HEALTH EFFECTS: No Data

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) . Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get medical attention if redness or irritation persist.

SKIN EXPOSURE: Wash affected area with soap and water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persist.

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. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

INGESTION: No specific data available. Seek medical assistance immediately. Keep the victim calm.

SECTION 5 Firefighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable.

EXPLOSION LIMITS: no data

EXTINGUISHING MEDIUM: Water spray, CO2

SPECIAL FIREFIGHTING PROCEDURES: No special fire-fighting procedures required. Use normal conditions which include wearing NIOSH/MSHA approved self-contained breathing apparatus, flame and chemical resistant clothing, hats, boots and gloves.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Sulfur oxides (SOx)

UNUSUAL FIRE OR EXPLOSTION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAD PROCEDURES: Wear appropriate respiratory and protective equipment to avoid exposure with material, sweep up avoiding raising dust and place in a well-marked container for disposal.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Hygroscopic. Picks up moisture readily from air. Keep from humidity and water. Store in a tightly sealed container. Keep in a dry area.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggle when handling material.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: Mechanical or local exhaust

RESPIRATOR: Where adequate ventilation is not available a dust respirator should be worn.

ADDITIONAL PROTECTION: Protection to avoid contact with skin, eyes, clothing.

Safety shower, eyewash in area. Use in a controlled environment. Do not eat, drink or smoke in area.

IRRITANT Avoid contact with skin, eyes. Do not breathe dust. May cause irritation to nose, throat, upper respiratory tract. Do not eat, drink or smoke in area. **Hygroscopic.** Picks up moisture readily from atmosphere.