Heegermaterials

Heeger Materials Inc. Safety Data Sheet Europium Nitrate Hexahydrate

1. Product and Company Identification

Trade Name: Europium Nitrate Hexahydrate

Chemical Formula: Eu(NO₃)₃.6H₂O

Recommended Use: Scientific research and development

Manufacturer/Supplier: Heeger Materials Inc.

Address: 230 Steele St Denver

CO 80206 United States

Tel #: 925-385-8104

Teese,

24-Hour Emergency Contact: 800-424-9300 (US & Canada)

+1-703-527-3887 (International)

2. Hazards Identification

Signal Word:

Danger



Hazard Statements: H272: May intensify fire; oxidizer

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

Precautionary Statements: P210: Keep away from heat/sparks/open flames/hot surfaces – No

smoking

P220: Keep/Store away from clothing, other combustible materials P221: Take any precaution to avoid mixing with combustibles

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash face, hands, and any exposed skin thoroughly after handling

P271: Use only outdoors or in a well-ventilated area

P280: Wear protective gloves/protective clothing/eye protection/face protection

P312: Call a POISON CENTER or doctor/physician if you feel unwell

P362: Take off contaminated clothing and wash before reuse

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water P304+P340: IF INHALED: Remove victim to fresh air and keep at rest

in a position comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do $-\,$

continue rinsing

P332+P313: If skin irritation occurs: Get medical advice/attention P337+P313: If eye irritation persists get medical advice/attention P370+P380+P375: In case of fire: Evacuate area. Fight fire remotely

due to the risk of explosion

P372: Explosion risk in case of fire

P404: Store in a closed container

P405: Store locked up

P403+P235: Store in a well-ventilated place. Keep cool P501: Dispose of contents/container in accordance with local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: 2 Flammability: 3 Physical: 3

3. Composition

Chemical Family: Oxide, Nitrate

Additional Names: Europium(III) nitrate Hexahydrate

Europium Nitrate Hexahydrate (Eu(NO₃)₃.6H₂O):

Percentage: 100 wt% CAS #: 10031-53-5 EC #: N/A

4. First Aid Procedures

General Treatment: Seek medical attention if symptoms persist.

Special Treatment: None

Important Symptoms:

N/A

Inhalation: Remove victim to fresh air. Supply oxygen if breathing is difficult.

Seek medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical

attention.

Skin: Wash affected area with mild soap and water. Remove any

contaminated clothing. Seek medical attention.

Eyes: Flush eyes with water, blinking often for several minutes. Remove

contact lenses if present and easy to do. Continue rinsing. Seek medical

attention.

5. Firefighting Measures

Flammability: Flammable

Extinguishing Media: No special restrictions – use suitable extinguishing agent for

surrounding material and type of fire. Water spray, Carbon dioxide

(CO2), Dry chemical, Chemical foam

Spec. Fire Fighting Procedure: Use full-face, self-contained breathing apparatus with full protective

clothing to prevent contact with skin and eyes. See section 10 for

decomposition products.

6. Accidental Release Measures

If Material Is Released/Spilled: Wear appropriate respiratory and protective equipment specified in

special protection information. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal.

Take care not to raise dust.

Environmental Precautions: Isolate runoff to prevent environmental pollution.

7. Handling and Storage Handling Conditions: Wash thoroughly after handling. Store in a cool dry place in a tightly sealed container. Store apart from **Storage Conditions:** materials and conditions listed in section 10. Do not use tobacco or food in work area. Wash thoroughly before Work/Hygienic Maintenance: eating and smoking. Do not blow dust off clothing or skin with compressed air. Ventilation: Provide sufficient ventilation to maintain concentration at or below threshold limit. 8. Exposure Controls and Personal Protection

Permissible Exposure Limits: N/A Threshold Limit Value: N/A

Special Equipment: None

Respiratory Protection: **Dust Respirator** Protective Gloves: Rubber gloves

Check gloves prior to each use

Safety glasses or goggles Eye Protection:

Body Protection: Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

9. Physical and Chemical Characteristics

N/A Color

Form: Powder, Granules, Pellets, Sputtering target, Custom parts aterials Inc

Odor:

Water Solubility: **Boiling Point:** N/A Melting Point: N/A Flash Point: N/A Autoignition Temperature: N/A Density: N/A

Molecular weight: 446.07 g/mol

10. Reactivity

Stability: Stable under recommended storage conditions

Reacts With: Strong acids, Strong reducing agents, Combustible material

Incompatible Conditions: Moisture, Air, Water, Heat. Combustible Material

Hazardous Decomposition Products: Nitrogen oxides (NOx)

11. Toxicological Information

Potential Health Effects:

Eves: Causes serious eve irritation Skin: Causes skin irritation Ingestion: May cause irritation

Inhalation: May cause respiratory irritation

Chronic: N/A

Signs & Symptoms: N/A Aggravated Medical Conditions: N/A

Median Lethal Dose: LD50 > 5000 g/kg for rat by mouth

Carcinogen: N/A

	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	N/A
	13. Disposal Considerations
Dispose of in accordance with local, state	e, national, and international regulations.
	14. Transportation Data
Hazardous:	14. Transportation Data Hazardous as powder only
Hazardous:	
Hazard Class:	Hazardous as powder only
Hazard Class: Packing Group:	Hazardous as powder only OXIDIZER 5.1 Oxidizer II
	Hazardous as powder only OXIDIZER 5.1 Oxidizer

Sec 302 Extremely Hazardous: Sec 304 Reportable Quantities:

Sec 313 Toxic Chemicals:

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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