

### **1. PRODUCT AND COMPANY IDENTIFICATION**

Trade	Name:
Trade	name:

**Chemical Formula:** 

Manufacturer Item Number:

Ytterbium and Erbium Doped Sodium Yttrium Fluoride  $Na(Y_xYb_yEr_z)F_4$  SO-4795

Manufacturer:	Lorad Chemical Corporation 1200 19th Street North Saint Petersburg, Florida, 33713 United States of America
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Emergency Contact:	(800) 255–3924 (US & Canada) +1 (813) 248–0573 (International)

2. HAZARD IDENTIFICATION	
Signal Word:	Not a Hazardous Substance or Mixture.
Pictograms:	N/A
Hazard Statements:	N/A
Precautionary Statements:	N/A
HMIS Health Ratings (0-4) - Health: - Flammability: - Physical:	0 0 0
3. COMPOSITION	
Additional Names:	Erbium Sodium Ytterbium Yttrium Fluoride
Percentage:	100wt%

 CAS #:
 753489-02-0

 EC #:
 No Data Available.

4. FIRST AID PROCEDURES	
General Treatment	Consult a physician. Show this SDS to the doctor in attendance. Move out of dangerous area.
Special Treatment:	No Data Available.
Important Symptoms:	No Data Available.
Inhalation:	In breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.

	SAFETT DATA SHEE
Skin:	Wash off with soap and plenty of water.
Eyes:	Flush eyes with water as a precaution.
5. FIREFIGHTING MEASURES	
Flammability:	Not Flammable.
Special Hazards from Substance:	No Data Available.
Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus for firefighting if necessary.
6. ACCIDENTAL RELEASE MEASURES	
If Material is Released / Spilled:	Avoid dust formation. Avoid breathing in vapors, mist, or dust, or gas. Pick up and arrange disposal without creating dust. Sweep and shovel. Keep in suitable, closed containers for disposal.
Environmental Precautions:	Do not let product enter drains.
7. HANDLING AND STORAGE	
Handling Conditions:	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places were dust is formed.
Storage Conditions:	Keep container rightly closed in a dry and well-ventilated place.
Work / Hygienic Maintenance:	Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink, or smoke when using this product.
Ventilation:	Keep well ventilated.
8. EXPOSURE CONTROLS AND F	PERSONAL PROTECTION
Permissible Exposure Limits:	Contains no substances with occupational exposure limit values.
Threshold Limit Value:	Contains no substances with occupational exposure limit values.
Special Equipment:	No Data Available.
Respiratory Protection:	Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Protective Gloves:	Handle with gloves. Glove must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good
	laboratory practices. Wash and dry hands.
Eye Protection:	

## 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Color:

10. REACTIVITY	
Molecular Weight:	No Data Available.
Density:	No Data Available.
Autoignition Temperature:	No Data Available.
Flash Point:	> 700°C (> 1,292°F)
Melting Point:	No Data Available.
Boiling Point:	No Data Available.
Water Solubility:	No Data Available.
Odor:	No Data Available.
Forms:	Solid

Stability:	Stable under recommended storage conditions.
Reacts with:	Oxidizing agents, Metals, Acids, Alkalis
Incompatible Conditions:	Exposure to moisture, Direct sources of heat.
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions include Hydrogen Fluoride, Sodium Oxides, Ytterbium Oxides, Yttrium Oxides, Erbium Oxides.

11. TOXICOLOGICAL INFORM	ATION
Potential Health Effects:	
- Eyes	No Data Available.
- Skin	No Data Available.
<ul> <li>Ingestion</li> </ul>	No Data Available.
Inhalation	No Data Available.
- Chronic	No Data Available.
Signs and Symptoms:	No Data Available.
Aggravate Medical Conditions:	No Data Available.
Median Lethal Dose:	No Data Available.
Carcinogen:	IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
	ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by ACGIH.
	NTP: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP.
	OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

# **12. ECOLOGICAL INFORMATION**

Aquatic Toxicity:

No Data Available.



Bioaccumulative potential: No Data Available.

Notes:

No Data Available.

No Data Available.

### 13. DISPOSAL CONSIDERATIONS

Disposal:

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of any unused products.

### **14. TRANSPORTATION DATA**

Hazardous:	DoT: Not Dangerous Goods IMDG: Not Dangerous Goods IATA: Not Dangerous Goods
Pictogram:	N/A
Hazard Class:	N/A
Packing Group:	N/A
UN Number:	N/A
Proper Shipping Name:	N/A

15. REGULATORY INFORMATION	
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels of SARA Title III, Section 313.
SARA 311/312 Hazards	No SARA hazards
Massachusetts Right to Know Components	No components are subject to the Ma. Right to Know Act.
Pennsylvania Right to Know Components	Ytterbium and Erbium Doped Sodium Yttrium Fluoride (CAS No. 753489-02-0).
New Jersey Right to Know Compoents	Ytterbium and Erbium Doped Sodium Yttrium Fluoride (CAS No. 753489-02-0).
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## **16. OTHER INFORMATION**

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Revision Date: 01/15/2018