

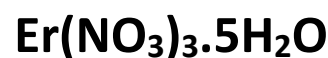


# Product Specification

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## ERBIUM (III) NITRATE 99.999%

<b>PRODUCT CODE</b>	<b>RE0850</b>
<b>SYNONYMS</b>	<b>Erbium Nitrate Pentahydrate</b>
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(10031-51-3)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>Er(NO<sub>3</sub>)<sub>3</sub>.5H<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>443.35</b>
<b>PROPERTIES</b>	--
<b>PARAMETER</b>	<b>LIMIT</b>
Description	Pink crystals or crystalline powder.
Solubility	Soluble in water, soluble in strong mineral acids.
Minimum assay (trace metal basis)	99.999%
<b>MAXIMUM LIMIT OF IMPURITY</b>	
Total rare earth impurities	0.001%



**Note(s) : Assay (if applicable) method mentioned.**

### DANGER

**HAZARD STATEMENTS :** May cause fire or explosion; strong oxidizer. May intensify fire; oxidizer. Harmful if swallowed. Causes severe skin burns and eye damage.

### PRECAUTIONARY STATEMENTS :

**Prevention :** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear fire/flammable resistant/retardant clothing. Do not breathe dust or mist. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Keep away from heat. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from clothing and other combustible materials.

**Response :** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Wash contaminated clothing before reuse. Specific treatment: refer to Label or MSDS. Absorb spillage to prevent material damage. IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. In case of major fire and large quantities: Evacuate area and fight fire remotely due to the risk of explosion.

**Disposal:** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large quantities of running water. Aqueous solutions of organic acids should be carefully neutralized with sodium bicarbonate or sodium hydroxide. Check pH, store in container and dispose off.

IMDG Code : 5.1/II

UN No. : 1477

IATA : 5.1

Hazard Pictogram(s) :--



GHS03



GHS05



GHS07