

# SAFETY DATA SHEET

Date Printed: 05/12/2024

Date Revised: 01/15/2022

## SECTION 1. IDENTIFICATION

**Product Identifier:** 99% Sodium Yttrium Fluoride, Ytterbium And Erbium Doped

**Product Code:** NAYF-ERYBD-02-P.GREN

**CAS Number:** 753489-02-0

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

## SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview: The health hazards of this product have not been fully tested and should be used with caution.

Not all potential health effects are listed here.

Health Hazards: Exposure to skin, eyes, and respiratory tract could cause irritation.

Physical Hazards: Flammable

### POTENTIAL HEALTH EFFECTS

Inhalation: Possible irritation to respiratory tract and symptoms of nausea. Headache, drowsiness, dizziness, disorientation, sleep disturbances, loss of coordination, dilated pupils, kidney damage and liver damage.

Skin Contact: Possible irritation

Eye Contact: Possible irritation

Ingestion: Possible stomach pain and symptoms of nausea. Headache, drowsiness, dizziness, disorientation, sleep disturbances, loss of coordination, dilated pupils. Damage to kidney or liver.



Signal word: Danger

Hazard statements

H301 Toxic if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

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

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

P362 Take off contaminated clothing and wash before reuse.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS classification

D1A - Very toxic material causing immediate and serious toxic effects

D2B - Toxic material causing other toxic effects

Classification system

HMIS ratings (scale 0-4)

(Hazardous Materials Identification System)

HEALTH

FIRE

REACTIVITY

3

0

1

Health (acute effects) = 3

Flammability = 0

Physical Hazard = 1

Other hazards

Results of PBT and vPvB assessment

PBT: N/A

vPvB: N/A

---

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

CAS No. / Substance Name: Sodium Yttrium Fluoride 753489-02-0

---

## SECTION 4. FIRST AID MEASURES

Skin Contact: Wash the skin thoroughly with soap and water and seek medical advice.

Eye contact: If eye contact occurs, rinse eye thoroughly and seek medical advice

Inhalation: If inhaled, supply fresh air or respirator and seek medical advice.

Ingestion: If swallowed, seek medical attention immediately

---

## SECTION 5. FIREFIGHTING MEASURES

Extinguishing Media: The product is not flammable. In case of fire use dry chemical powder or foam extinguisher.

---

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Always use proper protective equipment.

Environmental Precautions: Do not allow material to reach drains or groundwater.

Cleanup of small spills: Use appropriate material to absorb liquid.

Disposal: Collect and dispose of all waste in an appropriate container.

---

## **SECTION 7. HANDLING AND STORAGE**

Handling: Follow safe laboratory practices. The product should only be used by or closely supervised by an individual trained to handle potentially hazardous materials.

Storage: Store at 4-25° C in a tightly sealed container. Store in same type of container (glass/plastic) as shipped.

Do not freeze.

---

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls: Use fume hood with proper ventilation. Only a properly trained lab technician should handle this product.

Personal Protection: Gloves, lab coat, and goggles. Proper laboratory safety procedures should be implemented.

---

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Powder or crystalline solid

Color: White

Specific Gravity: Not disclosed

Odor: Not disclosed

Solubility in Water: Not soluble

Boiling point: Not disclosed

pH: Not disclosed

Freezing point: Not disclosed

Melting point: Not disclosed

Vapor Pressure: Not disclosed

---

## **SECTION 10. STABILITY AND REACTIVITY**

Stability: No data available

Conditions to avoid: Not fully determined.

Thermal decomposition: No data available. May produce toxins.

Materials to avoid: Not fully determined.

---

## **SECTION 11. TOXICOLOGICAL INFORMATION**

RTECS Number: Not disclosed

Toxicity: Not disclosed

Health Hazards: Refer to section 4  
Carcinogenicity: No information is available

---

## **SECTION 12. ECOLOGICAL INFORMATION**

No data available. See section 6 environmental precautions.

---

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, or national regulations.

---

## **SECTION 14. TRANSPORT INFORMATION**

U.S. DOT Classification: Not a hazardous material for land or air transport.  
Identification Number: N/A  
Packing Group: N/A  
Proper Shipping Name: N/A

---

## **SECTION 15. REGULATORY INFORMATION**

No data available for TSCA, EEC EINECS number, EEC risk statements, or other regulations.

---

## **16. OTHER INFORMATION**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.