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: Domestic, North America +1 800-424-9300 International +1 703-527-3887

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

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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

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**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

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**SECTION 5. FIREFIGHTING MEASURES**

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

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**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 1997-2016 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.