

SAFETY DATA SHEET

Date Printed: 06/01/2024

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SECTION 1. IDENTIFICATION

Product Identifier: (5N) 99.999% Rubidium Hexafluoroarsenate

Product Code: RB-FARO-05

CAS Number: 43023-95-6

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

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity: Category 3

Acute Inhalation Toxicity - Dusts and Mists: Category 3

Label Elements

Signal Word:

Danger

Hazard Statements:

Toxic if swallowed

Toxic if inhaled



Precautionary Statements

Prevention:

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician

Ingestion:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth

Storage:

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Disposal:

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Very toxic to aquatic life with long lasting effects

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component:

Rubidium hexafluoroarsenate(V)

CAS-No:

43023-95-6

Weight:

< 100%

SECTION 4. FIRST AID MEASURES

General Advice:

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact:

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Immediate medical attention is required.

Ingestion:

Do not induce vomiting. Call a physician or Poison Control Center immediately.

Most important symptoms and effects:

None reasonably foreseeable.

Notes to Physician:

Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

Unsuitable Extinguishing Media: No information available

Flash Point: No information available

Method - No information available

Autoignition Temperature: No information available

Explosion Limits

Upper: No data available

Lower: No data available

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Chemical:

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous Combustion Products:

None known

Protective Equipment and Precautions for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA

Health

3

Flammability

Instability

Physical hazards

-

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

Environmental Precautions:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods for Containment and Clean Up:

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

SECTION 7. HANDLING AND STORAGE

Handling:

Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Use only under a chemical fume hood. Do not breathe vapors/dust. Do not ingest.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures:

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection:

Long sleeved clothing.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: White

Odor: No information available

Odor Threshold: No information available

pH: No information available

Melting Point/Range: No data available

Boiling Point/Range: No information available

Flash Point: No information available

Evaporation Rate: Not applicable

Flammability (solid,gas): No information available

Flammability or explosive limits
Upper: No data available
Lower: No data available
Vapor Pressure: No information available
Vapor Density: Not applicable
Specific Gravity: No information available
Solubility: No information available
Partition coefficient; n-octanol/water: No data available
Autoignition Temperature: No information available
Decomposition Temperature: No information available
Viscosity: Not applicable
Molecular Formula: RbAsF₆
Molecular Weight: 359.92

SECTION 10. STABILITY AND REACTIVITY

Reactive Hazard:
None known, based on information available

Stability:
Stable under normal conditions. Conditions to Avoid Incompatible products.

Incompatible Materials:
Strong oxidizing agents

Hazardous Decomposition Products:
None under normal use conditions

Hazardous Polymerization:
Hazardous polymerization does not occur.

Hazardous Reactions:
None under normal processing

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information:
Component Information:
Toxicologically Synergistic: No information available
Products:

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation: No information available
Sensitization: No information available

Carcinogenicity
Component: Rubidium hexafluoroarsenate (V)
CAS-No: 43023-95-6
IARC: Not listed
NTP: Not listed

ACGIH: Not listed

OSHA: Not listed

Mexico: Not listed

Mutagenic Effects: No information available

Reproductive Effects: No information available.

Developmental Effects: No information available.

Teratogenicity: No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: No information available

Endocrine Disruptor Information: No information available

Other Adverse Effects: The toxicological properties have not been fully investigated.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Persistence and Degradability:

Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation:

No information available.

Mobility:

Will likely be mobile in the environment due to its water solubility

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14. TRANSPORT INFORMATION

DOT

UN-No UN1557

Proper Shipping Name ARSENIC COMPOUND, SOLID, N.O.S. Proper technical name (Rubidium hexafluoroarsenate (V))

Hazard Class 6.1

Packing Group III

TDG

UN-No UN1557

Proper Shipping Name ARSENIC COMPOUND, SOLID, N.O.S. Hazard Class 6.1
Packing Group III

IATA

UN-No UN1557

Proper Shipping Name ARSENIC COMPOUND, SOLID, N.O.S. Hazard Class 6.1
Packing Group III

IMDG/IMO

UN-No UN1557

Proper Shipping Name ARSENIC COMPOUND, SOLID, N.O.S. Hazard Class 6.1
Packing Group III

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

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.