

# SAFETY DATA SHEET

Date Printed: 05/16/2024

Date Revised: 01/15/2022

## SECTION 1. IDENTIFICATION

**Product Identifier:** (5N) 99.999% Rubidium Dihydrogenarsenate

**Product Code:** RB-ASOH2-05

**CAS Number:** 13464-57-8

**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



Hazard Statements

Toxic if swallowed or if inhaled

May cause cancer

Very toxic to aquatic life with long lasting effects

Precautionary Phrases

Do not handle until all safety precautions have been read and understood

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash skin thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Avoid release into the environment

Use personal protective equipment as required.

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

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

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

Dispose of contents/container to an approved waste disposal plant.

**HMIS CLASSIFICATION:**

Health: 2 Fire: 0 Reactivity Hazard: 0

**NFPA RATING:**

Health: 2 Flammability: 0 Reactivity Hazard: 0

**EYE CONTACT:**

Risk of serious damage to eyes.

**SKIN CONTACT:**

Harmful if in contact with skin.

**INHALATION:**

Harmful by inhalation

**INGESTION:**

Toxic if swallowed.

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

Formula:

RbH<sub>2</sub>AsO<sub>4</sub>

Molecular Weight:

226.40

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**SECTION 4. FIRST AID MEASURES****EYE EXPOSURE:**

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**SKIN EXPOSURE:**

Rinse immediately with plenty of water and seek medical advice.

**INHALATION:**

Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

**INGESTION:**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

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**SECTION 5. FIREFIGHTING MEASURES****FLASH POINT:**

Not available

**AUTO IGNITION TEMPERATURE:**

Not available

#### EXPLOSION LIMITS:

Not available

#### EXTINGUISHING MEDIUM:

Use dry chemical, carbon dioxide, water spray, or alcohol-resistant foam.

#### SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

#### HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:

Arsenic oxides and rubidium oxide

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS:

Wear all appropriate equipment when using this material. Ensure adequate ventilation.

#### ENVIRONMENTAL PRECAUTIONS:

Prevent spillage from entering drains or allowing to be released into the environment.

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Without creating dust, sweep up and shovel, and place in a suitable container for proper disposal.

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## SECTION 7. HANDLING AND STORAGE

#### PRECAUTIONS FOR SAFE HANDLING:

Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts and aerosols.

#### CONDITIONS FOR SAFE STORAGE:

Store in cool, dry, and well-ventilated area. Keep away from oxidizing and spontaneously flammable products.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Controls

##### Component:

Rubidium dihydrogen arsenate

##### Exposure Limits:

0.01 mg/m<sup>3</sup>

##### Basis:

TLV

##### Entity:

ACGIH

**EYE PROTECTION:**

Wear chemical safety glasses or goggles and face shield

**SKIN PROTECTION:**

Wear nitrile or rubber gloves, and a complete suit protecting against chemicals

**VENTILATION:**

Provide local exhaust, preferably mechanical.

**RESPIRATOR:**

Use an approved respirator

**ADDITIONAL PROTECTION:**

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

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

COLOR AND FORM: White solid

ODOR: No data available

MOLECULAR WEIGHT: 226.40

BOILING POINT: No data available

MELTING POINT: 268° C

SPECIFIC GRAVITY: No data available

VAPOR DENSITY: No data available

SOLUBILITY: Insoluble

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

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Exposure to air or moisture over prolonged periods

INCOMPATIBILITY: Strong oxidizing agents and metals.

DECOMPOSITION PRODUCTS: Arsenic oxides and rubidium oxide

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: Not available

CARCINOGENIC EFFECTS: This product is a known carcinogen to humans according to IARC and NTP.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

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## **SECTION 12. ECOLOGICAL INFORMATION**

May cause long-term effects in aquatic environment.

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## SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations

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## SECTION 14. TRANSPORT INFORMATION

DOT: UN1557

Arsenic compounds, solid, n.o.s.  
(Rubidium dihydrogen arsenate)

CLASS 6.1

PG II

IATA: UN1557

Arsenic compounds, solid, n.o.s.  
(Rubidium dihydrogen arsenate)

CLASS 6.1

PG II

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## SECTION 15. REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

DSCL (EEC): Listed on the DSCL inventory

SARA 302/304: Not Listed

SARA 311/312: Acute Health Hazard, Chronic Health Hazard

SARA (TITLE 313): Rubidium dihydrogen arsenate

CALIFORNIA PROP. 65: Rubidium dihydrogen arsenate

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: Rubidium dihydrogen arsenate

NEW JERSEY RIGHT TO KNOW COMPONENTS: Rubidium dihydrogen arsenate

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Rubidium dihydrogen arsenate"

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## 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.