

## Section 1. Product and Company Identification

**Product Name:** 2-Hydrazinopyridine dihydrochloride  
**Catalog No.:** S-2002-100

### Manufacturer/Supplier USA:

Vector Laboratories, Inc.  
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## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

- Skin irritation (Category 2), H315
- Eye irritation (Category 2A), H319
- Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

### 2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal word: Warning

#### Hazard statement(s)

- |      |                                   |
|------|-----------------------------------|
| H315 | Causes skin irritation.           |
| H319 | Causes serious eye irritation.    |
| H335 | May cause respiratory irritation. |

#### Precautionary statement(s)

- |                    |  |
|--------------------|--|
| P261               | Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.   |
| P264               | Wash skin thoroughly after handling.   |
| P271               | Use only outdoors or in a well-ventilated area.  |
| P280               | Wear protective gloves/ eye protection/ face protection.   |
| P302 + P352        | IF ON SKIN: Wash with plenty of soap and water.  |
| P304 + P340 + P312 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes.   |

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P332 + P313	Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	If eye irritation persists: Get medical advice/ attention.
P403 + P233	Take off contaminated clothing and wash before reuse.
P405	Store in a well-ventilated place. Keep container tightly closed.
P501	Store locked up.
	Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

## Section 3. Composition/Information on Ingredients

<b>Component:</b>	<b>CAS#:</b>	<b>EC#:</b>
2-Pyridone hydrazone dihydrochloride	62437-99-4	263-541-3

**Molecular Formula:** C<sub>5</sub>H<sub>7</sub>N<sub>3</sub>HCl  
**Molecular Weight:** 181.1

No ingredients are hazardous according to OSHA criteria.

## Section 4. First Aid Measures

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

**Skin contact:** Immediately wash skin with soap and copious amounts of water.

**Eye Contact:** Immediately flush eyes with copious amounts of water for at least 15 minutes.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Other:** Wash contaminated clothing before re-use.

## Section 5. Fire Fighting Measures

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment:** Use respirator for firefighting if necessary.

## Section 6. Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## Section 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. Storage class (TRGS 510): 13: Non-Combustible Solids

## Section 8. Exposure Controls/Personal Protection

**Exposure limits:** Contains no substances with occupational exposure limit values.

**Engineering controls:** Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

**Personal protection:**

**Hand protection** - Compatible chemical-resistant gloves.

**Eye protection** - Chemical safety goggles.

**Skin protection** - Lab coat.

## Section 9. Physical and Chemical Properties

**Appearance:** White solid

**Percent Purity:** >95%

**Boiling Point:** NA

**Melting Point:** NA

**Freezing Point:** NA

**pH:** NA

**Solubility in Water:** NA

**Vapor Density:** NA

**Vapor Pressure:** NA

## Section 10. Stability and Reactivity

**Chemical stability:** Stable when stored under recommended storage conditions.

**Incompatibility:** Strong oxidizing agents

**Hazardous Decomposition Components:** Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas. Other decomposition products - No data available.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute toxicity**

No data available

Dermal: No data available

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

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### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

### **Reproductive toxicity**

No data available

No data available

### **Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

### **Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **Section 12. Ecological Information**

No data available.

## **Section 13. Disposal Considerations**

Observe all federal, state and local environmental regulations.

## **Section 14. Transport Information**

**DOT (US):** Not dangerous goods.

**RID/ADR:** Not regulated.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

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## Section 15. Regulatory Information

### SARA:

SARA 302 - No chemicals in this material are subject to the reporting requirements.

SARA 313 - No chemicals in this material with known CAS #s are subject to the reporting requirements.

SARA 311/312 Hazards – Acute Health Hazard

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

2-Pyridone hydrazone dihydrochloride CAS-No. 62437-99-4

### New Jersey Right To Know Components

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### California Prop. 65 components:

This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

## Section 16. Other Information

**Date of Issue or Revision:** March 11, 2021

The information contained in this Safety Data Sheet is believed to be accurate, but it is the responsibility of the user to determine the applicability of this data to necessary safety precautions. Vector Laboratories, Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Safety Data Sheet.

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