

# 4-HYDRAZINOBENZOIC ACID

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## 1. Product Identification

**Synonyms:** p-Hydrazinobenzoic acid

**CAS No.:** 619-67-0

**Molecular Weight:** 152.15

**Chemical Formula:** C<sub>7</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>

**Product Codes:** CHEM-611 and others.

## 2. Composition/Information on Ingredients

| Ingredient                | CAS No    | Percent   | Hazardous |
|---------------------------|-----------|-----------|-----------|
| Nitric Acid, Lithium Salt | 7790-69-4 | 97 - 100% | Yes       |

## 3. Hazards Identification

### Emergency Overview

**SAF-T-DATA<sup>(tm)</sup>** Ratings

Health Rating: 2 - Moderate (Life)

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 2 - Moderate

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: Green (General Storage)

### Potential Health Effects

#### Inhalation:

May be harmful if inhaled. Causes respiratory tract irritation.

#### Skin:

May be harmful if absorbed through skin. Causes skin irritation.

#### Eyes:

Causes eye irritation.

#### Ingestion:

May be harmful if swallowed.

## 4. First Aid Measures

### **General advice:**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### **If inhaled:**

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

### **In case of skin contact:**

Wash off with soap and plenty of water. Consult a physician.

### **In case of eye contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### **If swallowed:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. Fire Fighting Measures

### **Flammable properties:**

Flash point: no data available

Ignition temperature no data available

### **Suitable extinguishing media:**

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

### **Special protective equipment for fire-fighters:**

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. Accidental Release Measures

### **Personal precautions:**

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

### **Environmental precautions:**

Do not let product enter drains.

### **Methods for cleaning up:**

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 7. Handling and Storage

### **Handling:**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### **Storage:**

Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

### **Personal protective equipment:**

#### **Respiratory protection:**

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection:**

Handle with gloves.

#### **Eye protection:**

Safety glasses

#### **Skin and body protection:**

Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

#### **Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

### **Appearance:**

Form: crystalline; Color: beige

### **pH:**

No data available

### **Melting point:**

218°C (424°F)

### **Boiling point:**

No data available

### **Flash point:**

No data available

### **Ignition temperature:**

No data available

### **Lower explosion limit:**

No data available

### **Upper explosion limit:**

No data available

### **Water solubility:**

No data available

## 10. Stability and Reactivity

### **Storage stability:**

Stable under recommended storage conditions.

### **Materials to avoid:**

Strong oxidizing agents

### **Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

## 11. Toxicological Information

### Acute toxicity:

LD<sub>50</sub> Oral - rat - 2,550 mg/kg

### Irritation and corrosion:

No data available

### Sensitisation:

NNo data available

### Chronic exposure:

Carcinogenicity - mouse - Oral

Tumorigenic: Carcinogenic by RTECS criteria.

Lungs, Thorax, or Respiration: Tumors.

Skin and Appendages:

Other: Breast.

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.

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

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 identified as a carcinogen or potential carcinogen by OSHA.

### Signs and Symptoms of Exposure:

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

### Additional Information:

RTECS: DH1700000

## 12. Ecological Information

### Elimination information (persistence and degradability):

Biodegradability

### Ecotoxicity effects:

Toxicity to daphnia and other aquatic invertebrates.

EC<sub>50</sub> - Daphnia magna (Water flea) - 16 mg/l - 48 h

### Further information on ecology:

No data available

## 13. Disposal Considerations

### Product:

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging:

Dispose of as unused product.

## 14. Transport Information

**DOT (US):**

Not dangerous goods

**IMDG:**

Not dangerous goods

**IATA:**

Not dangerous goods

## 15. Regulatory Information

**OSHA Hazards:**

Irritant

**DSL Status:**

This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

4-Hydrazinobenzoic acid CAS-No. 619-67-0

**SARA 302 Components:**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**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:**

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**New Jersey Right To Know Components:**

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**California Prop. 65 Components:**

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

## 16. Other Information

**NFPA Ratings: Health Hazard: 2 Fire: 0 Reactivity Hazard: 0**

**Label Hazard Warning:**

Use good laboratory practices when handling this chemical.

**Label Precautions:**

Store in a tightly closed container.

Remove and wash contaminated clothing promptly.

Wash thoroughly after handling.

Avoid contact with eyes, skin and clothing.

Avoid breathing dust.

**Label First Aid:**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. In all cases, get medical attention.

**Product Use:**

Laboratory Reagent and Consumer Hobby.

**Revision Information:**

None

**Disclaimer:**

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