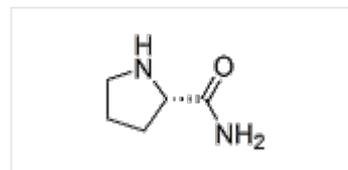


# L-Prolinamide(7531-52-4)

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## Product Identification

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### 【Product Name】

L-Prolinamide

### 【Synonyms】

(2S)-Pyrrolidine-2-carboxamide  
(S)-Pyrrolidine-2-carboxamide  
2-Pyrrolidinecarboxamide, (S)-

### 【CAS】

**7531-52-4**

### 【Formula】

C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O

### 【Molecular Weight】

114.14

### 【EINECS】

231-397-0

### 【Beilstein/Gmelin】

80807

### 【Beilstein Reference】

4-22-00-00015

## Physical and Chemical Properties

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### **【Appearance】**

White solid.

### **【Solubility in water】**

Very soluble

### **【Melting Point】**

85 - 90

### **【Boiling Point】**

303

### **【Vapor Pressure】**

0.001 (25 C)

### **【pKa/pKb】**

4.55 (pKb)

### **【Partition Coefficient】**

-1.52

### **【Heat Of Vaporization】**

54.4 kJ/mol

## First Aid Measures

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### **【Ingestion】**

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

### **【Inhalation】**

Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.

### **【Skin】**

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

### **【Eyes】**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

## **Handling and Storage**

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### **【Storage】**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### **【Handling】**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

## **Hazards Identification** [Back to Contents](#)

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### **【Ingestion】**

May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

### **【Inhalation】**

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

### **【Skin】**

May cause skin irritation.

### **【Eyes】**

May cause eye irritation.

## **Exposure Controls/Personal**

## **Protection**

## 【Personal Protection】

Eyes: 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: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

## 【Respirators】

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## Fire Fighting Measures

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### 【Flash Point】

137

### 【Autoignition】

490

### 【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. To extinguish fire use water spray, dry chemical, carbon dioxide, or chemical foam.

## Accidental Release Measures

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### 【Small spills/leaks】

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

## Stability and Reactivity

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### 【Stability】

Stable under normal temperatures and pressures.

### 【Incompatibilities】

Strong oxidizing agents

## **【Decomposition】**

Nitrogen oxides, carbon monoxide, carbon dioxide.