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# L (+) ARABINOSE

# 1. Product Identification

**Synonyms:** L (+) ARABINOSE

**CAS No.:** 87-72-9

Molecular Weight: 150.13 Chemical Formula: C<sub>5</sub> H<sub>10</sub> O<sub>5</sub>

### 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
L (+) ARABINOSE	87-72-9	100%	Not a hazardous substance

#### 3. Hazards Identification

Not a hazardous substance or mixture.

#### **Emergency Overview**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**SAF-T-DATA(tm)** Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Flammability Rating: 1 - Slight Reactivity Rating: 1 - Slight Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES; CLASS A

**EXTINGUISHER** 

Storage Color Code: Green (General Storage)

#### **Potential Health Effects**

Ascorbic acid is relatively non-hazardous in routine industrial situations. It is not expected to present significant health risks to the workers who use it.

#### Inhalation:

May cause mild irritation to the respiratory tract.

#### **Ingestion:**

Large oral doses may cause gastrointestinal disturbances.

#### **Skin Contact:**

May cause mild irritation.

#### **Eye Contact:**

May cause mild irritation.

**Chronic Exposure:** 



No information found.

# **Aggravation of Pre-existing Conditions:**

No information found.

#### 4. First Aid Measures

#### Inhalation:

If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

# **Ingestion:**

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

#### Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

# **Eye Contact:**

Wash thoroughly with running water. Get medical advice if irritation develops.

# 5. Fire Fighting Measures

#### Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

### **Explosion:**

Not considered to be an explosion hazard.

### Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

# **Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills:

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

# 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

#### 8. Exposure Controls/Personal Protection

# **Airborne Exposure Limits:**

None established.

#### **Ventilation System:**

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details. Store in cool place. Keep container tightly closed in a dry and well-ventilated place.



### Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING:

Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

#### **Skin Protection:**

Wear protective gloves and clean body-covering clothing.

# **Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

### 9. Physical and Chemical Properties

Appearance: White colour crystalline powder.

Odor: No information found.

Solubility: No information found.

Density: No information found.

pH: No information found.

Boiling Point: No information found.

**Melting Point:** 155 - 160°C

Vapor Density (Air=1): No information found. Vapor Pressure (mm Hg): No information found. Evaporation Rate (BuAc=1): No information found.

#### 10. Stability and Reactivity

# **Stability:**

Stable under ordinary conditions of use and storage. Aqueous solutions are rapidly oxidized by air.

## **Hazardous Decomposition Products:**

May produce acrid smoke and irritating fumes when heated to decomposition.

### **Hazardous Polymerization:**

Will not occur.

#### **Incompatibilities:**

Strong oxidizers and alkali hydroxides, alkalis, iron, copper, sodium salicylate, sodium nitrite, theobromine and methenamine.

#### **Conditions to Avoid:**

No information found.

### 11. Toxicological Information

L (+) ARABINOSE

# 12. Ecological Information

# **Environmental Fate:**

No information found.

### **Environmental Toxicity:**

No information found.



# 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.

State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

Not regulated.

### 15. Regulatory Information

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No

Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.

**Poison Schedule:** None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

# 16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**Label Precautions:** None.

Label First Aid:Not applicable.Product Use:Laboratory Reagent.

**Revision Information:** No Changes.

#### Disclaimer:

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