

**MATERIAL SAFETY DATA SHEET – Rhamnose**

**1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY INFORMATION**

**Product Name:** Rhamnose  
**Supplier:** Chanjao Longevity Co., Ltd. 375 Pattanakarn Road, Bangkok 10250 Thailand  
**Emergency Phone No.:** +662-002-7-002  
**Fax No.:** +662-001-7-022

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Composition (%)
{L}-Rhamnose	10030-85-0	100

**Hazard Symbols:** Not listed

**Risk Phrases:** Not listed

**3. HAZARD IDENTIFICATION**

**Potential Health Effects**

**Eye:** May causes eye irritation.  
**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.  
**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.  
**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.

**4. FIRST AID MEASURES**

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.  
**Skin Contact:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.  
**Inhalation:** Remove from exposure and move to fresh air immediately.  
**Ingestion:** Get medical aid. Wash mouth out with water.  
**Notes to Physician:** Treat symptomatically and supportively.

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**5. FIRE FIGHTING MEASURES**

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or chemical foam.

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**6. ACCIDENTAL RELEASE MEASURES**

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container.

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**7. HANDLING AND STORAGE**

**Handling:**

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:**

Store in a tightly closed container. Store in a dry area.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Control:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Personal Protection:**

**Eyes:** Wear chemical goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear a chemical apron.

**Respirators:** A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Solid crystalline powder
<b>Color:</b>	White
<b>Odor:</b>	Not available.
<b>Specific Gravity:</b>	1.47 (water=1)
<b>Boiling Point:</b>	Not available.
<b>Solubility in water:</b>	Soluble
<b>Melting Point:</b>	82-97C

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**10. STABILITY AND REACTIVITY**

**Stability:**

Stable in room temperature and normal pressures.

**Conditions to Avoid:**

Excess heat, incompatible materials, oxidations.

**Incompatibilities:**

Strong oxidizers.

**Hazardous Decomposition Products:**

Not Available.

**Polymerization:**

Will not occur at storage temperatures/conditions.

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**11. TOXICOLOGICAL INFORMATION**

**Route of Entry:**

Inhalation, Ingestion

**LD50/LC50:** Not available

**Chronic Effects on Humans:** Not available

**Other Topic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

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**12. ECOLOGICAL INFORMATION**

No data available.

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**13. DISPOSAL CONSIDERATION**

**Waste from Residue/Unused Products:**

Dispose of in a manner consistent with federal, state, and local regulations.

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**14. TRANSPORT REGULATIONS**

**IATA**                      No information available.  
**IMO**                        No information available.  
**RID/ADR**                No information available.

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**15. REGULATORY INFORMATION**

Classification according to European directive on classification of hazardous preparations 90/492/EEC

**Hazard Symbol(s):**        Not available.  
**Risk Phrase(s):**            Not available.  
**Safety Phrase(s):**         S 24/25 Avoid contact with skin and eyes.

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**16. OTHER INFORMATION**

The information provided in this material safety data sheet is correct to the best of our knowledge. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Chanjao Longevity assumed no responsibility for any personal injury or property damage caused by the materials. Users assume all risks associated with the use of the materials.

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