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**MATERIAL SAFETY DATA SHEET (MSDS)****XYLITOL LR****Section 1 - Chemical Product**

MSDS Name: Xylitol  
Synonym: Xylite (sugar); xylito

Cas NO: 87-99-0

Product Coad: X0218300100

Molecular Formula: C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>  
Molecular Weight: 164.081

**2 - COMPOSITION, INFORMATION ON INGREDIENTS**

CAS#	Chemical Name	content	EINECS#
87-99-0	Xylitol	100	201-788-0

**3 - HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Inhalation: Low hazard for usual industrial handling. The toxicological properties of this substance have not been fully investigated.

Chronic: Not available.

**4 - FIRST AID MEASURES**

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

Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

**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 fog, dry chemical, carbon dioxide, or regular foam.

**6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up, then place into a suitable container for disposal.

**7 - HANDLING and STORAGE**

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place.

**8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls: Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits CAS# 87-99-0: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29

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CFR 1910.133 or European Standard EN166.

Skin:Wear appropriate gloves to prevent skin exposure.

Clothing:Wear appropriate protective clothing to prevent skin exposure.

Respirators:Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid

Color: white

Odor: none reported

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 95 deg C

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: Soluble in water.

Specific Gravity/Density:

**10 - STABILITY AND REACTIVITY**

Chemical Stability:Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:Strong oxidants.

Incompatibilities with Other Materials:None reported.

Hazardous Decomposition Products:Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported

**11 - TOXICOLOGICAL INFORMATION**

RTECS#:

CAS# 87-99-0: ZF0800000 LD50/LC50:

CAS# 87-99-0: Oral, mouse: LD50 = 12500 mg/kg; Oral, rabbit: LD50 = 25 gm/kg; Oral, rat: LD50 = 16500 mg/kg.

Carcinogenicity:

Xylitol - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

**12 - ECOLOGICAL INFORMATION****13 - DISPOSAL CONSIDERATIONS**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

**14 - TRANSPORT INFORMATION**

No information available.

**15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 87-99-0: 0

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**MATERIAL SAFETY DATA SHEET (MSDS)****XYLITOL LR**

Canada  
CAS# 87-99-0 is listed on Canada's NDSL List.  
CAS# 87-99-0 is not listed on Canada's Ingredient Disclosure List.  
US FEDERAL  
TSCA  
CAS# 87-99-0 is listed on the TSCA inventory.

**16. Other Information**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**