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Language: EN
Country:
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**** MATERIAL SAFETY DATA SHEET ****
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L(+)-Rhamnose monohydrate, 99%

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: L(+)-Rhamnose monohydrate, 99%

Catalog Numbers:

17408-0000, 17408-0250, 17408-1000

Synonyms:

6-Deoxy-L-mannose

Company Identification (Europe): Acros Organics BVBA
Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

Company Identification (USA): Acros Organics

One Reagent Lane Fairlawn, NJ

For information in North America, call: 800-ACROS-01 For information in Europe, call: 0032(0) 14575211 For emergencies in the US, call CHEMTREC: 800-424-9300 0032(0) 14575299 For emergencies in Europe, call:

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

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ĺ	CAS#	Chemical Name	96	EINECS#	Haz Symbols	Risk Phrases	į
	10030-85-0	L(+)-Rhamnose monohydrate	99%	unlisted			т _

Hazard Symbols: None Listed. Risk Phrases: None Listed.

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

May cause eye irritation.

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. Chronic:

Not available.

**** SECTION 4 - FIRST AID MEASURES ****

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

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately.

Notes to Physician:

Treat symptomatically and supportively.

**** SECTION 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.

**** SECTION 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. Avoid generating dusty conditions.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

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

Storage:

Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

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Engineering Controls:
          Use adequate ventilation to keep airborne concentrations low.
     Personal Protective Equipment
                  Eyes:
                         Wear chemical goggles.
                  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 29
                         CFR 1910.134 or European Standard EN 149. Always use
                         a NIOSH or European Standard EN 149 approved
                         respirator when necessary.
              **** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****
Physical State:
                              Crystalline powder
Color:
                              whīte
Odor:
                              practically odorless
pH:
                              5.5-7.0 (10%aq.sol.)
Vapor Pressure:
                              Not available.
Viscosity:
Boiling Point:
                              Not available. Not available.
Freezing/Melting Point:
                              91-93 deg C
Autoignition Temperature:
                              Not available.
Flash Point:
                              Not available.
Explosion Limits, lower: Explosion Limits, upper:
                              Not available.
                              Not available.
Decomposition Temperature:
Solubility in water:
Specific Gravity/Density:
Molecular Formula:
                              300 g/l (20°C)
                              C6H12O5.H2O
Molecular Weight:
                              182.17
                  **** SECTION 10 - STABILITY AND REACTIVITY ****
     Chemical Stability:
     Incompatible materials.
     Incompatibilities with Other Materials:
           Strong oxidizing agents.
     Hazardous Decomposition Products:
           Carbon monoxide, carbon dioxide.
     Hazardous Polymerization: Will not occur.
                 **** SECTION 11 - TOXICOLOGICAL INFORMATION ****
     RTECS#:
           CAS# 10030-85-0 unlisted.
     LD50/LC50:
          Not available.
     Carcinogenicity:
       L(+)-Rhamnose monohydrate -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.
                   **** SECTION 12 - ECOLOGICAL INFORMATION ****
                  **** SECTION 13 - DISPOSAL CONSIDERATIONS ****
Dispose of in a manner consistent with federal, state, and local regulations.
                   **** SECTION 14 - TRANSPORT INFORMATION ****
     IATA
          No information available.
     IMO
          No information available.
     RID/ADR
          No information available.
                   **** SECTION 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# 10030-85-0: No information available.
   United Kingdom Occupational Exposure Limits
   United Kingdom Maximum Exposure Limits
           None of the chemicals in this product are listed on the DSL/NDSL list.
          CAS# 10030-85-0 is not listed on Canada's Ingredient Disclosure List.
   Exposure Limits
 US FEDERAL
     TSCA
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CAS# 10030-85-0 is not listed on the TSCA inventory. It is for research and development use only.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/16/1996 Revision #1 Date: 5/26/2000

The information above is believed to be accurate and represents the best The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.