

MATERIAL SAFETY DATA SHEET

Issue Date: June 8, 2006

IDENTITY (As used on label and list)

Sorbitol Crystalline, Technical Grade (For Non Food Use)

Section I

Manufacturers Name

Archer Daniels Midland Co

Address

P.O. Box 1470

Decatur Illinois 62525

Emergency Telephone number

217-424-5200

Telephone Number for Information

217-451-7418

Section II - Hazardous Ingredients/ Identity Information Hazardous Components (Chemical Identity; Common Name)

Hazard Data OSHA PEL ACGIH TLV

Sorbitol, D-sorbitol
Cas No. 50-70-4 C₆H₁₄O₆

N/A N/A
orl-rat LD₅₀ 15,900 mg/kg
orl-mouse LD₅₀ 2,320 mg/kg
IV-rat LD₅₀ 7,100 mg/kg

Section III - Physical/Chemical Characteristics

Boiling Point

Not applicable- solid

Specific Gravity (H₂O = 1)

Not available

Vapor Pressure (mm Hg)

Not applicable - solid

Melting Point

77 to 101.6°C

Vapor Density (Air = 1)

Not applicable

Evaporation Rate (Butyl Acetate = 1)

<1

Solubility in water

Greater than 50%

Appearance and Odor

White odorless powder and/or granules

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

Ignition temp. 630°C

Flammable Limits

Min. 4 g/cuft
Opt. 22 g/cuft

LEL

NA

UEL

NA

Extinguishing Media

Water, carbon dioxide, foam, powder extinguisher.

Special Fire Fighting Procedures

Fire fighters wear protective clothing and NIOSH approved respirator.

Unusual Fire and Explosion Hazards

None

This MSDS is based upon a limited review of ADM files and standard Toxicological handbooks.

The information herein is furnished without warranty of any kind. This information should only be used as a supplement to information already in your possession concerning the product. The determination of whether and under what conditions the product should be used by your employees is yours to make.

Section V - Reactivity Data

Stability **Stable** **Unstable**
Stable under normal conditions.

Conditions to Avoid
None known

Incompatibility (Materials to Avoid)
None reported

Hazardous Decomposition or Byproducts
None known

Hazardous polymerization **May Occur** **Will Not Occur**
Will not occur

Conditions to Avoid
None known

Section VI - Health Hazard Data

Routes of Entry: **Inhalation** **Skin** **Ingestion**
Skin contact, Ingestion, Inhalation of mist.

Health Hazards (Acute and Chronic)
None reported, affirmed as generally recognized as safe (GRAS) under 31 CFR 184.1835

Carcinogenicity	NTP	IARC Monographs	OSHA Regulated
No	No	No	No

Signs and Symptoms of Exposure
None reported

Medical Conditions Generally Aggravated by Exposure
No information available.

Emergency and First Aid Procedures
Eyes-immediately flush with plenty of water for 15 minutes. Call a physician.
Skin-wash area with water, remove contaminated clothing and launder before reuse.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case of Material is Released or Spilled
Recover by vacuum or broom and shovel. Flush area with water to remove final traces.

Waste Disposal Method
Conform to applicable federal, state and local regulations.
Landfill or flush to drain. Material is biodegradable in waste treatment facility.

Precautions to Be Taken in Handling and Storing
Store in tightly closed containers, away from strong oxidizing agents or strong acids.

Other Precautions
None normally required

Section VIII - Control Measures

Respiratory Protection (Specify Type)
Dust mask, if required by local conditions

Ventilation	Local Exhaust	Mechanical(General)	Special	Other
Local exhaust sufficient to control dust.				

Protective Gloves	Eye Protection
Not required	Safety Glasses

Other Protective Clothing or Equipment
None
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