

SAFETY DATA SHEET SORBITOL

Section 1: Chemical Product and Company Identification

1.1 Identification of Chemical Product

Product Name: Sorbitol Synonyms: D-Glucitol

1.2 Identification of Company

Level 7 Chemical

255 Sturgis Rd, Conway, AR 72034

(855) 927-1777

CHEMTREC (24HR Emergency Telephone), call: (800) 424-9300

1.3 Recommended use : Food additive as sweetener

1.4 Restrictions on use: None

Section 2: Hazards Identification

2.1 Signal word: None

2.2 Hazard statement:

Health effects: Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant), or inhalation.

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Developmental effects: Not available

2.3 Pictograms: None

2.4 Precautionary statement: None

Section 3: Composition/ information on Ingredients

| CAS# | INS#/EC# | Chemical Names | Percent | Other identifiers |
|---------|----------|----------------|---------|-----------------------|
| 50-70-4 | 420 | Sorbitol | ≥97% | Total sugar and water |

Section 4: First Aid Measures

4.1 Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

4.2 Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

4.3 Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention. Serious Inhalation: Not available.

4.4 Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

4.5 Important/acute symptoms: None

Section 5: Fire and Explosion Data

- 5.1 Recommended distinguishing equipment: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- 5.2 hazardous combustion products: carbon oxides (CO, CO₂)
- 5.3 recommendations for medical care and treatment: None

Section 6: Accidental Release Measures**6.1 Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

6.2 Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

- 7.1 Handling Precautions: Keep away from heat and humidity. Keep away from sources of ignition and physical damage.
- 7.2 Storage: Keep container dry and tightly closed. Keep in a cool, well-ventilated place. Keep away from odorous materials.

Section 8: Exposure Controls/Personal Protection**8.1**

| Chemical names | ACGIH-TLV | OSHA-PEL |
|----------------|------------|------------|
| Sorbitol | NOT LISTED | NOT LISTED |

8.2 Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.3 Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Personal Protection in Case of a breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

8.4 Exposure Limits: Not available

Section 9: Physical and Chemical Properties

Physical state and appearance: white and solid crystalline powder

Odor: odorless

Taste: sweet

Molecular Weight: 182.17 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: Decomposes.

Melting Point: 111.5°C (232.7 °F)

Critical Temperature: Not available.

Specific Gravity: 1.489 (Water = 1)

Vapor Pressure: Not applicable.
Vapor Density: Not available.
Volatility: Not available.
Odor Threshold: Not available.
Water/Oil Dist. Coeff. : Not available.
Ionicity (in Water): Not available.
Dispersion Properties: See solubility in water.
Solubility: Easily soluble in cold water, hot water.

Section 10: Stability and Reactivity

10.1 Chemical Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Not available.
10.2 Incompatibility with various substances: Not available.
10.3 Hazardous decomposition Products: No
10.4 Others: Corrosivity: Non-corrosive in presence of glass.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available
Polymerization: No.

Section 11: Toxicological Information

11.1 Routes of Entry: Skin or Eye contact. Ingestion.
11.2 Toxicity to Animals: Acute oral toxicity (LD50): 15900 mg/kg[Rat].
11.3 Chronic Effects on Humans: Not available.
11.4 Description of the symptoms: Slightly irritation in case of skin or eye contact.
11.5 Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available. BOD5 and COD: Not available. Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: Not available.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Sorbitol
Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada). DSCG
(EEC): R36- Irritating to eyes.

HMS (U.S.A.): Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.): Health: 2

Flammability: 1

Reactivity: 0

Specific hazard: None

Protective Equipment: Gloves, Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available. Created:

10/08/2015

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