



SILVER FERN CHEMICAL, INC.

SAFETY DATA SHEET

SORBITOL CRYSTALLINE

SECTION 1: IDENTIFICATION

Product Name: SORBITOL CRYSTALLINE

CAS Number: 50-70-4

Molecular Formula: C₆H₁₄O₆

Synonyms: D-lucitol; D-Sorbitol; Sorbo em; Sorbo

Company

Silver Fern Chemical, Inc.
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SECTION 2: HAZARD IDENTIFICATION

NFPA Code: H alth-0, Flammability-1, Reactivity-0

HMIS Code: Health-0, Flammability-1, Reactivity-0

Emergency Overview: Extinguish flames with water, carbon dioxide, foam or powder extinguisher.

Potential Health Effects: None reported; affirmed as generally recognized as safe
(GRAS) under 21 CFR 184.1835.

EYE CONTACT: None reported

SKIN CONTACT: None reported

INGESTION: Single oral doses of greater than 35 grams may have a laxative effect.

INHALATION: None reported

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	EINECS #
Sorbitol, 100%	50-70-4	200-061-5

SECTION 4: FIRST AID MEASURES

Eye: Flush immediately with large amounts of water for 15 minutes. Call a physician.

Skin: Wash exposed area with water. For contact with hot product, cool skin by immersing in cold water or apply cold water. Remove contaminated clothing and launder before reuse.

Ingestion: NA

Inhalation: NA

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Ignition temperature = 630°C

Flammable Limits: Min. 4g/cu ft – Opt. = 22g/cu ft

Flammability Classification: Can burn in a fire

Extinguishing Media: Water, carbon dioxide, foam or powder extinguisher

Special Fire Fighting Procedures: Fire fighters wear protective clothing and NIOSH approved respirator

Unusual Fire and Explosion Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Conform to Federal, State and local regulations. Flush to drain with copious amounts of water. Material is biodegradable in waste treatment facility.

SECTION 7: HANDLING AND STORAGE

Store in tightly-closed containers away from strong oxidizing agents or strong acids.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Wash thoroughly after handling.

Eye: Safety glasses or goggles

Skin: Not required

Inhalation: Dust mask, if required by local conditions

Engineering Controls: Local exhaust sufficient to control dust

Exposure Guidelines: Limits: TLV/TWA: NA ACGIH: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance at 25°C: white crystals

Odor: None

Viscosity at 25°C: NA

pH: NA

Vapor Pressure: NA

Vapor Density: Not applicable

Boiling Point, °C: NA

Solidification Point: NA

Specific Gravity: Not available

Flash Point: Not available

Melting Point: 98-104 °C



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SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Materials to Avoid: None reported

Hazardous Decomposition: None known

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Sorbitol Solution is derived from vegetable material. It is non-hazardous as defined in the Federal Hazardous Substance Act. It is also not toxic as defined in OSHA Regulations 29 CFR 1900.1200, Appendix A - Health Hazard Definitions.

Oral Toxicity: LD50 rat, mg/kg = 15,900

Oral Toxicity: LD50 mouse, mg/kg = 2,320

Toxicity: IV-rat LD50, mg/kg = 7,100

SECTION 12: ECOLOGICAL INFORMATION

No adverse effect reported; material is biodegradable. Nevertheless, material from spills and other generated waste must be disposed of in conformance with all Local, State and Federal laws.

SECTION 13: DISPOSAL CONSIDERATIONS

This material is not considered hazardous under Federal Hazardous Waste Regulations 40 CFR 261. However State and Local requirements for waste disposal may be more restrictive or different from Federal regulations, therefore these agencies should be consulted regarding proper disposal requirements. Flush to drain. Material is biodegradable in waste treatment facility.

SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation: Not hazardous

Air (ICAO/IATA): Not Dangerous Goods

Canadian Transportation of Dangerous Goods: Unknown

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4): Not reportable

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): None

SARA Title III Section 313 (40 CFR Part 372): None

U.S. Inventory (TSCA): Components listed

OSHA Hazard Communication Standard: Not regulated

WHMIS Controlled Product Classification: Unknown

EC Inventory (EINECS/ELINCS): Listed

SECTION 16: OTHER INFORMATION



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