



# SILVER FERN CHEMICAL, INC.

## SAFETY DATA SHEET

### SORBITOL CRYSTALLINE

#### SECTION 1: IDENTIFICATION

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**Product Name:** SORBITOL CRYSTALLINE

**CAS Number:** 50-70-4

**Molecular Formula:** C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>

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

**Company**

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**Business Contact**

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**24 Hour Emergency Contact**

Infotrac 800-535-5053  
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#### SECTION 2: HAZARD IDENTIFICATION

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**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

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<b>Component</b>	<b>CAS #</b>	<b>EINECS #</b>
Sorbitol, 100%	50-70-4	200-061-5

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## SECTION 4: FIRST AID MEASURES

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**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

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**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

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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

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

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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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

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**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

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**Stability:** Stable under normal conditions

**Materials to Avoid:** None reported

**Hazardous Decomposition:** None known

**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

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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

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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

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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

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**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

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**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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