

# SILVER FERN CHEMICAL



## Safety Data Sheet

### Dimethyl Isosorbide

#### SECTION 1: IDENTIFICATION

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**Product Name:** Dimethyl Isosorbide

**CAS Number:** 5306-85-4

**Chemical Name:** Dimethyl Isosorbide

**Synonyms:** DMI

**Uses:** Laboratory chemicals, Manufacture of substances

**Company**

Silver Fern Chemical, Inc.  
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Suite #C  
Seattle WA 98109, USA

**Business Contact**

Customer Service: 1-866-282-3384  
[info@silverfernchemical.com](mailto:info@silverfernchemical.com)

**24 Hour Emergency Contact**

Infotrac 800-535-5053  
Outside USA & Canada 352-323-3500

#### SECTION 2: HAZARD IDENTIFICATION

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**Classification of the substance or mixture**

Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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| CAS #     | Content (W/W)       | Ingredients |
|-----------|---------------------|-------------|
| 5306-85-4 | Dimethyl Isosorbide | 100%        |

This product is not regulated under OSHA 29CFR1910.1200



## SECTION 4: FIRST AID MEASURES

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**If inhaled:** Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult

**In case of skin contact:** Wash affected areas with plenty of water, and soap for several minutes. Seek medical attention if irritation develops or persists

**In case of eye contact:** Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with plenty of water for several minutes. Seek medical attention if irritation develops or persists

**If swallowed:** Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing.

## SECTION 5: FIRE FIGHTING MEASURES

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**Flash Point:** >100°C

**Suitable extinguishing media:** Use media suitable for the material that is burning. As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear

**Special hazards arising from the substance or mixture:** This product is not combustible

**Advice for firefighters:** Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Clean-up Procedures:** Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread. Spill area will be slippery. Wear appropriate protective equipment (See Section 8). Wash thoroughly after handling

**Special Instructions:** Prevent liquid from entering sewers or waterways

## SECTION 7: HANDLING AND STORAGE

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**Handling:** Wear appropriate protective equipment. Wash thoroughly after handling

**Storage:** Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### **Personal Protective Equipment (PPE)**

Use general ventilation to prevent build-up of vapors. In applications where the surfactant will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

**Respiratory protection:** In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

**Hand protection:** Wear natural rubber gloves

**Eye protection:** Wear safety glasses with side shields or goggles.

**Body protection:** Normal working clothing is generally adequate. Contaminated clothing should be removed and laundered

General safety and hygiene measures: Eye wash: safety shower

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|  |                           |
|--|---------------------------|
| Appearance                                   | Form: Light Yellow Liquid |
| Odor   | Mild                      |
| Odor Threshold                               | no data available         |
| pH   | no data available         |
| Melting point/freezing Point                 | -70°C                     |
| Initial boiling point and boiling range      | 93-95°C                   |
| Flash point                                  | >100°C                    |
| Evaporation rate                             | no data available         |
| Flammability (solid, gas)                    | no data available         |
| Upper/lower flammability or explosive limits | no data available         |
| Vapor pressure                               | no data available         |
| Vapor density                                | N/A                       |
| Specific gravity                             | @23°C - 1.10              |
| Water solubility                             | no data available         |
| Partition Coefficient: n-octanol/water       | no data available         |
| Auto-ignition temperature                    | no data available         |
| Decomposition temperature:                   | no data available         |
| Viscosity:                                   | no data available         |
| Explosive properties:                        | no data available         |

## SECTION 10: STABILITY AND REACTIVITY

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Conditions to avoid: Heat

Substances to avoid: Strong oxidizing agents

Hazardous reactions: Stable

Decomposition products: N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

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RTECS# No data available.

Acute toxicity No data available.

Routes of exposure Inhalation, eye contact, skin contact, ingestion.

**Symptoms related to the physical, chemical and toxicological characteristics** Skin contact may result in inflammation characterized by itching, scaling, reddening, blistering, pain or dryness. Eye contact may result in redness, pain or severe eye damage. Inhalation may cause irritation of the lungs and respiratory system. Overexposure may result in serious illness or death.

#### **Carcinogenicity**

IARC Not classified.

NTP Not listed.

OSHA Not listed.

**Acute toxic effects** Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

### **SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity** no data available

**Biodegradability:** no data available

**Bioaccumulative Potential:** no data available

### **SECTION 13: DISPOSAL CONSIDERATIONS**

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**RCRA Waste Code:** Not regulated under RCRA, 40 CFR 261

**Waste disposal of substance:** Keep away from natural water sources. Observe all applicable federal, state, and local regulations

**Container disposal:** Remove all residue when emptying.

### **SECTION 14: TRANSPORT INFORMATION**

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**DOT Hazard Classification:** Non-Hazardous, Not regulated

**EC-Directive Transportation data-**

**Transport by Land (GGVS/ADR or GGVE/RID):** Non-Hazardous Goods

**Transport by Inland Waterways (ADNR):** Non-Hazardous Goods

**Transport by Sea (GGVsee/IMDG):** Non-Hazardous Goods

**Transport by Air (ICAO/IATA):** Non-Hazardous Goods

*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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**OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200)**

Hazardous  Non-Hazardous

**CERCLA/SUPERFUND (40 CFR 117, 302)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA HAZARD CATEGORIES (40 CFR 370)**

Acute  Chronic  Fire  Pressure  Reactive  None

**SARA TOXIC SUBSTANCES (40 CFR 372)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**TOXIC SUBSTANCES CONTROL ACT**

The substances in this product are listed on the TSCA inventory.

**STATE REGULATIONS**

NA

**EC-DIRECTIVE-MARKINGS**

R-phrases: Not Indicated

S-phrases: Not Indicated

**SECTION 16: OTHER INFORMATION**

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**DISCLAIMER OF RESPONSIBILITY**

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

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