


SILVER FERN CHEMICAL, INC.

Safety Data Sheet

1, 3 Propanediol

SECTION I - IDENTIFICATION

 <p>SILVER FERN CHEMICAL INC</p>	<p>Silver Fern Chemical, Inc. 2226 Queen Anne Avenue North, Suite C Seattle, WA 98109, USA PH 1-866-282-3384 24 Hour Emergency Contact: Infotrac 800-535-5053 (USA & Canada) Outside USA & Canada 1-352-323-3500</p>
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PRODUCT NAME: 1,3-Propanediol

CHEMICAL FAMILY: Glycol

CAS NUMBER: 504-63-2

DATE PREPARED: 4/30/2015

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Skin Corrosion/Irritation

Category 2

WARNING!

GHS LABEL:



Hazard Statements

H315 Causes skin irritation

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Precautionary Statements

- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352 IF ON SKIN: Wash with soap and water.
- P332+313 If skin irritation occurs: get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
1,3-Propanediol	504-63-2	100		

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek immediate medical attention.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: No unusual fire hazards known.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid breathing vapors. Ensure adequate ventilation.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Soak up with inert absorbent material and dispose of in accordance with Federal, State and Local requirements.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
- Keep container tightly closed in dry and well-ventilated place.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**EXPOSURE LIMITS:**

Component Name	CAS #	OSHA PEL	ACGIH TLV
1,3-Propanediol	504-63-2		

Engineering Controls: Adequate local exhaust ventilation when vapor or mist is generated.

Monitoring: Wash hands prior to eating, drinking or using the restroom.

Personal Protective Equipment (PPE)

Eye Protection: Safety glasses with side-shields. Chemical goggles and faceshield when there is a potential for splash.

Skin Protection: Wear protective clothing when there is a potential for skin contact.

Respiratory Protection: Where there is potential for airborne exposure, wear appropriate NIOSH approved respiratory protection.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	clear, liquid, viscous
Odor	No data available
pH@25°C	No data available
Melting/Freezing Point	-27°C (-17°F)
Flashpoint	>110°C (230°F)
Specific Gravity	1.053 g/mL at 25 deg C
Solubility	Soluble
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
VOC Content	100%
Odor Threshold	No data available
Boiling Range	214°C (417°F)
Evaporation Point	No data available
Flammable Limits - Upper	No data available
Flammable Limits - Lower	No data available
Vapor Pressure	<0.1 mmHg at 20°C
Vapor Density (Air=1)	No data available
Viscosity	No data available

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Strong oxidizing agents

Hazardous Decomposition/Byproducts: None known

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

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SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: No data available

Eye Contact: No data available

Skin Contact: Contact may cause mild skin irritation.

Ingestion: No data available

Toxicity:

Component Name	LD50	LC50
1,3-Propanediol	Oral - Mouse - 4,500mg/kg	

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity:

LC50 - Carassius auratus (goldfish) - >5,000 mg/l - 24h

EC50 - Daphnia magna (Water flea) - 7,417 mg/l - 48h

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, State and Local requirements.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Not DOT Regulated

Contains:

Hazard Class and Label:

Identification Number:

Packaging Group:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X				

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 2

HMIS Flammability: 0

HMIS Reactivity: 0

DISCLAIMER OF RESPONSIBILITY

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