

SILVER FERN CHEMICAL

Material Safety Data Sheet

DIPROPYLENE GLYCOL

SECTION 1: IDENTIFICATION

Product Name: Dipropylene Glycol

CAS Number: 25265-71-8

Chemical Name: Dipropylene Glycol (Mixture of Isomeric Propylene Glycol Ethers)

Synonyms: DPG; 1,1'-Oxydi-2-Propanol

Company

Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North
Suite #C
Seattle WA 98109, USA

Business Contact

Customer Service: 206-282-3376
info@silverfernchemical.com

24 Hour Emergency Contact

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

SECTION 2: HAZARD IDENTIFICATION

CAS#	Chemical Name	Percent	EINECS/ELINCS
25265-71-8	Dipropylene Glycol, Tech., 99% (GC) Mixture of Isomeric Propylene Glycol Ethers	99%	246-770-3

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

EMERGENCY OVERVIEW

Appearance: colorless clear liquid.

Caution! May cause eye, skin, and respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

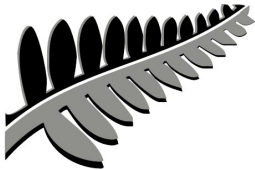
Target Organs: No data found.

Potential Health Effects

Eye: May cause mild eye irritation.

Skin: May cause mild skin irritation.

Ingestion: May cause irritation of the digestive tract. Expected to be a low ingestion hazard.



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Inhalation: May cause respiratory tract irritation.

Chronic: Prolonged or repeated exposure may cause nausea, dizziness, and headache.

SECTION 4: FIRST AID MEASURES

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: 138 deg C (280.40 deg F)

Autoignition Temperature: 310 deg C (590.00 deg F)

Explosion Limits, Lower:2.90 vol %

Upper: 12.60 vol %

NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.



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SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Store in a tightly closed container.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limit:

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Dipropylene Glycol, Tech., 99% (GC) Mixture of Isomeric Propylene Glycol Ethers	none listed	none listed	none listed

OSHA Vacated PELs: Dipropylene Glycol, Tech., 99% (GC) Mixture of Isomeric Propylene Glycol Ethers: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear liquid

Appearance: colorless

Odor: practically odorless

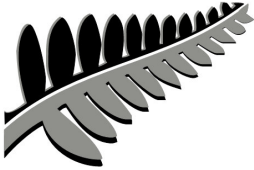
pH: Not available.

Vapor Pressure: 0.03 mm Hg @ 25 deg C

Vapor Density: 4.63

Evaporation Rate: Not available.

Viscosity: Not available.



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Boiling Point: 229 - 232 deg C @ 760.00mm Hg

Freezing/Melting Point: Not available.

Decomposition Temperature: Not available.

Solubility: miscible with water

Specific Gravity/Density: 1.0200g/cm³

Molecular Formula: C₆H₁₄O₃

Molecular Weight: 134.18

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 25265-71-8: UB8765000

LD50/LC50:

CAS# 25265-71-8:

Oral, rat: LD50 = 14850 mg/kg;

Skin, rabbit: LD50 = >20 mL/kg;

Carcinogenicity:

CAS# 25265-71-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found

Teratogenicity: No information found

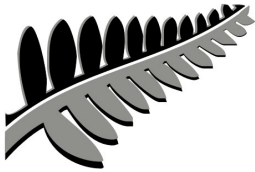
Reproductive Effects: No information found

Mutagenicity: No information found

Neurotoxicity: No information found

SECTION 12: ECOLOGICAL INFORMATION

No information available.



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SECTION 13: DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

SECTION 14: TRANSPORT INFORMATION

	US DOT	Canada TDG
Shipping Name:	Not Regulated	Not Regulated
Hazard Class:		
UN Number:		
Packing Group:		

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

US FEDERAL

TSCA

CAS# 25265-71-8 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

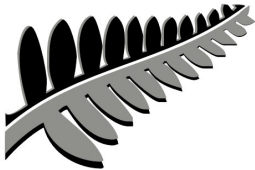
CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.



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Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 25265-71-8 can be found on the following state right to know lists: Pennsylvania.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations**European Labeling in Accordance with EC Directives****Hazard Symbols:**

Not available.

Risk Phrases:**Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 25265-71-8: 1

Canada - DSL/NDSL

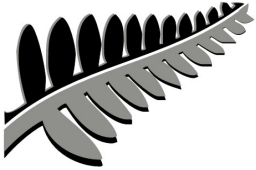
CAS# 25265-71-8 is listed on Canada's DSL List.

Canada - WHMIS

not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List



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SECTION 16: OTHER INFORMATION

MSDS Creation Date: 7/31/2006

Revision Date: 7/31/2006

DISCLAIMER OF RESPONSIBILITY

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