



SAFETY DATA SHEET: Chem-Chill

Section 1: IDENTIFICATION

Product Name: Chem-Chill

Common Names or Synonyms: Inhibited Propylene Glycol

Recommended Use: Heat Transfer Fluid

Restrictions on Use: None.

Company: **ChemFast, LLC**
11 Jenna Drive Unit #1
Gorham, ME 04038
800-287-2225
info@chemfast.com

Emergency Phone: 1-800-424-9300
CHEMTREC 24-Hour Emergency Service

Section 2: HAZARD(S) IDENTIFICATION

Physical Hazards: Not Applicable

Health Hazards: Not Applicable

Environmental Hazards: Not classified.

OSHA Defined Hazards: Not classified.

Signal Word: Not Applicable

Hazard Statement(s): While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product.

Pictograms: Not Applicable

Precautionary Statement(s): Keep container tightly closed. Keep away from heat, sparks or open flames. No smoking, drinking or eating around product. Wear protective gloves, eye and face equipment. Store in a cool, dry and well-ventilated location. Avoid release to the environment.

Hazards Not Otherwise Classified (HNOC): None known.

Other Information: None.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Common name/synonyms	CAS number	% Range
Propylene Glycol	1,2 - Propanediol	57-55-6	95%
Water		7732-18-5	2.5%
Inhibitors & Dye		Proprietary	2.5%

**Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.
The identity of individual components of this product is proprietary information and regarded as a trade secret.
There are no known hazardous substances per sara title III or TSCA EPA inventory list.*

Section 4: FIRST-AID MEASURES

Inhalation:	Vapors and mists expected to be slightly irritating to upper respiratory tract. Remove to fresh air. If symptoms persist, seek medical attention.
Skin Contact:	Irritation may result. Wash skin with soap and water. Remove any contaminated clothing. Seek medical attention if irritations develops or persists.
Eye Contact:	Irritation may cause transitory stinging and tearing. Flush with water for at least 20 minutes. Seek medical attention if irritations develops or persists.
Ingestion:	Very low toxicity if ingested. Ingestion of larger amounts may cause gastrointestinal upset and possible temporary central nervous system depression. DO NOT induce vomiting, seek medical attention.
Most Important Symptoms or Effects, Acute and Delayed:	Irritation of affected area.
Indication of Immediate Medical Attention and Special Treatment, if Necessary:	No data available.
General information:	Not Applicable

Section 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, water fog, water spray, alcohol foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media:	No data available.
Specific Hazards Arising from the Chemical:	Smoke may contain the original material in addition to but not limited to: oxides of phosphorus, potassium, carbon, nitrogen, sulfur and hydrogen chloride.
Special Protective Equipment and Precautions for Firefighters:	Wear self-contained breathing apparatus and protective suit. Evacuate personnel to safe areas and keep upwind of fire.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment:	Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Usage of safety glasses or goggles is recommended. Chemical resistant gloves, chemical resistant apron, boots, and full suit will be necessary depending on the extent of clean up task. If ventilation does not control airborne concentration then respiratory protection equipment that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements should be used.
Emergency Procedures:	Collect liquid in an appropriate container or absorb with inert material and place in chemical waste container.
Environmental Precautions:	No data available.
Clean Up Procedures:	Do not flush to sewer. Comply with all federal, state, and local regulations.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Protect container from physical damage. Wear appropriate personal protection equipment. Do not expose containers to open flame, excessive heat, or direct sunlight. Use local exhaust over processing area. Do not eat, drink or smoke around products.
Conditions for Safe Storage, Including Any Incompatibilities:	Store in a cool, dry and ventilated area away from sources of heat, moisture and incompatible materials. Observe all warnings and precautions listed for the product. Keep container closed to prevent contamination.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:	AIHA WEEL is 10 mg/m ³ for total vapor and aerosol.
Appropriate Engineering Controls:	Use mechanical (general) ventilation to control airborne levels below exposure guidelines.
Individual Protection Measures, such as Personal Protective Equipment: The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product.	
Eye/face Protection:	Safety glasses or goggles.
Skin Protection:	Wear appropriate gloves. Suitable gloves can be recommended by the glove supplier. Wear apron.
Respiratory Protection:	Vapor respirator.
Thermal Hazards:	Wear appropriate thermal protective clothing, when necessary.
General Hygiene Considerations:	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, Clear, Pink
Odor:	Slight to no odor
Odor Threshold:	Not Applicable
pH:	9.0 - 10.7
Melting Point/Freezing Point:	-23°F / -31°C
Boiling Point and Range:	311°F / 155°C
Flash Point:	225°F / 107°C
Evaporation Rate:	<1
Flammability (solid, gas):	Not Flammable
Upper/Lower Flammability or Explosive Limits:	
Flammability Limit - Lower (%):	2.6% (v)
Flammability Limit - Upper (%):	12.5% (v)
Explosive Limit - Lower (%):	
Explosive Limit - Upper (%):	
Vapor Pressure:	133 Pa / 0.1 mmHg
Vapor Density:	2.1
Relative Density:	1.057 - 1.067
Solubility(ies):	Miscible in water
Partition Coefficient (n-octanol/water):	No Data Available
Autoignition Temperature:	> 700°F / > 370°C
Decomposition Temperature:	Not determined
Viscosity:	~75 cps at 60°F

Section 10: STABILITY AND REACTIVITY

Reactivity:	Product is stable under typical use temperatures.
Chemical Stability:	Product is stable under typical use temperatures.
Possibility of Hazardous Reactions:	Avoid contact with oxidizing materials and strong acids.

Conditions to Avoid:	Heat, flames, ignition sources and incompatibles.
Incompatible Materials:	Avoid contact with oxidizing agents and strong acids.
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide may form when heated to decomposition. Aldehydes, alcohols or other organic acids may also be formed.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes / Skin / Ingestion / Inhalation
Delayed Effects:	Irritation of affected area
Immediate Effects:	Irritation of affected area
Chronic Effects:	Lactic acidosis, stupor and seizures have been reported following chronic ingestion.
Skin:	The LD50 for skin absorption in rabbits is >10,000 mg/kg
Ingestion:	The oral LD50 for rats is 20,000 mg/kg
Description of the symptoms:	Irritation of affected areas. Lactic acidosis, stupor and seizures.
Carcinogenicity:	Not found to be a carcinogen in the National Toxicology Program (NTP) Report on Carcinogens, the International Agency for Research on Cancer (IARC) Monographs or OSHA.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Low Ecotoxicity
Persistence and Degradability:	Biodegradable
Bioaccumulative Potential:	Does not bioaccumulate significantly.
Mobility in Soil:	Dissolves in water. If product enters soil, it will be highly mobile and may contaminate ground water.
Other Adverse Effects:	No data available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:	Do not dump into sewers, on ground or into any bodies of water. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.
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Section 14: TRANSPORT INFORMATION

UN Number:	Not Regulated
UN Proper Shipping Name:	Not Regulated
Transport Hazard Class(es):	Not Regulated
Packing Group:	Not Regulated
Guidance on Transport in Bulk:	Not Regulated
Special Precautions for User:	Not Regulated
DOT:	Not Regulated

Section 15: REGULATORY INFORMATION

Safety Regulations:	OSHA Hazard Communication Standard: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Health Regulations:	Not Available
Environmental Regulations:	Not Available
SARA 311/312:	Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312 Superfund Amendments and Reauthorization Act of 1986 Title III (SARA) Sections 311 and 312: Immediate (Acute) Health Hazard - No; Delayed (Chronic) Health Hazard - No; Fire Hazard - No; Reactive Hazard - No; Sudden Release of Pressure Hazard - No. Section 313: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.
US Toxic Substance Control Act:	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30
CEPA – Domestic Substances List (DSL):	All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

Section 16: OTHER INFORMATION

HMIS® ratings	Health: 0 Flammability: 1 Physical hazard: 0 Personal protection: X
NFPA ratings:	Health: 0 Flammability: 1 Instability: 0
Disclaimer	While ChemFast, LLC believes the information contained herein to be

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