



Manufacturer of Specialty Chemicals

# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Propylene Glycol 100%</b>	<b>Version: 7</b> <b>Effective Date: 19 February, 2016</b>
<b>Other Means Of Identification</b>	1,2-propanediol	
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
<b>Recommended Use and Restrictions On Use</b>	Non toxic heat transfer fluid. No restrictions.	
<b>Product Family</b>	Blend	
<b>24 Hour Emergency</b>	Canutec (613) 996-6666	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	Not a regulated product
<b>Signal Word</b>	None
<b>Hazard Statement</b>	None
<b>Precautionary Prevention Statement</b>	Non Hazardous
<b>Precautionary Response Statement</b>	Non Hazardous
<b>Precautionary Storage Statement</b>	Non Hazardous
<b>Precautionary Disposal Statement</b>	Non Hazardous
<b>Other Hazards</b>	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Ingredients are considered non-hazardous			

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<b>Section 4. First-Aid Measures</b>	
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Wash skin with water.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Not hazardous under normal conditions of use.
<b>Immediate Medical Attention and Special Treatment</b>	Not required.

<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable and Unsuitable Extinguishing Media</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Hazardous Combustion Products</b>	Oxides of carbon.
<b>Specific Hazards Arising From the Product</b>	None known
<b>Special Protective Equipment and Precautions For Fire-Fighters</b>	Fire-fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Protective equipment is not required under normal conditions of use. Good housekeeping practices should be employed. Secure area. Surface might be slippery.
<b>Environmental Precautions</b>	As a general precaution Propylene Glycol should not be allowed to enter the storm sewers or surface water courses.
<b>Methods and Materials For Containment and Clean-Up</b>	Soak up with absorbent. Place in a suitable container for disposal. Wash area with water to remove residues.

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Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Handle with care. Good housekeeping practices should be employed.
<b>Conditions For Safe Storage</b>	Store in a cool place. Keep container closed when not in use.

Section 8. Exposure Controls / Personal Protection				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>
	All components are non-hazardous.			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure eye wash station and safety shower are available.			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protection</b>	Chemical safety goggles.			
<b>Skin Protection</b>	Gloves.			
<b>Respiratory Protection</b>	Not required under normal conditions of use.			

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	Clear, colourless
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	8
<b>Flash Point</b>	99 – 109 °C
<b>Boiling Point and Boiling Range</b>	214 °C
<b>Melting Point and Freezing Point</b>	-51 °C
<b>Evaporation Rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	0.07 – 0.20
<b>Vapour Density</b>	2.5 – 2.6
<b>Relative Density</b>	1.038
<b>Solubility</b>	Soluble in water. Hygroscopic
<b>Partition coefficient, n-Octanol/Water</b>	No data
<b>Auto-ignition Temperature</b>	371 – 421 °C
<b>Decomposition Temperature</b>	No data

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<b>Viscosity</b>	No data
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<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	None
<b>Conditions to Avoid</b>	High temperatures, sparks, open flames and other sources of ignition. Avoid moisture contamination.
<b>Incompatible Materials</b>	Strong oxidisers. Strong acids. Isocyanates.
<b>Hazardous Decomposition Products</b>	Under normal storage condition decomposition will not occur. Thermal decomposition products are toxic and may include oxides of carbon and irritating gases.

<b>Section 11. Toxicological Information</b>			
<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
<b>Propylene Glycol</b>	20 g/kg (Rat)		
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	Potential irritant. May cause irritation and redness with prolonged and repeated contact.		
<b>Eyes:</b>	May cause tearing and irritation.		
<b>Inhalation:</b>	May cause irritation of the upper respiratory tract.		
<b>Ingestion:</b>	May cause irritation of the upper respiratory tract May cause digestive tract disturbances.		
<b>Acute Toxicity Estimates (ATE)</b>	Oral: 20 g/kg (rat)		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified		
<b>Aspiration Toxicity</b>	Not classified		
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified		
<b>Skin Corrosion / Irritation</b>	Not classified		
<b>Serious Eye Damage / Irritation</b>	May cause mild irritation		
<b>Respiratory or Skin Sensitization</b>	Not classified		
<b>Carcinogenicity</b>	Not listed.		



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<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	Not classified
- <b>Development of Offspring</b>	Not classified
- <b>Effects on or via Lactation</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Interactive Effects</b>	None known
<b>Other Information</b>	None known

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	LC50: 23,800 (Sheepshead Minow) 96 hr EC50: above 43,500 mg/L (Daphnia) 48 hr
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	Will not accumulate
<b>Biodegradability</b>	This product has a moderate rate of biodegradation
<b>Mobility in Soil</b>	No data,
<b>Special Remarks</b>	BOD: 2.2 – 64% (theoretical 5 days)
<b>Other Adverse Effects</b>	None known

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Considerations</b>	Dispose of contents / container in accordance with local regulations.

<b>Section 14. Transport Information</b>	
<b>UN Number</b>	None
<b>UN Proper Shipping Name</b>	None
<b>Transport Hazard Class(es)</b>	None
<b>Packaging Group</b>	None
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	Not applicable

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<b>Section 15. Regulatory Information</b>	
<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
<b>Additional Information</b>	None

<b>Section 16. Other Information</b>	
<b>NFPA Rating</b>	Health-0/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-0/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	15 January, 2013
<b>Date of Latest Revision:</b>	19 February 2016
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