

Safety Data Sheet

Section 1 Identification	
Product Identifier	Glycerine
	Version: 5 Effective Date: 25 January 2021
Other Means Of Identification	Glycerol
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055
Recommended Use and Restrictions On Use	Anti-freeze for sprinkler systems in food establishments. No restrictions.
Product Family	Polyol
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST

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

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Glycerine	Glycerol	56-81-5	100

Safety Data Sheet

Section 4. First-Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Wash skin with water.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	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.
Most Important Symptoms and Effects Both Acute and Delayed	None expected. Not a hazardous product.
Immediate Medical Attention and Special Treatment	None required.

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

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

Safety Data Sheet

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

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Glycerine	10 mg/m ³ mist	CAD AB OEL		
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	None required.			
Individual Protective Measures				
Eye / Face Protection	Wear chemical safety goggles			
Skin Protection	Wear chemical safety gloves			
Respiratory Protection	Not required			

Section 9. Physical and Chemical Properties	
Appearance	Clear, colourless
Odour	Virtually odourless liquid
Odour Threshold	Not applicable
pH	8
Flash Point	177 °C
Boiling Point and Boiling Range	290 °C
Melting Point and Freezing Point	17.8 °C
Evaporation Rate	Not determined
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	2.7 - 19 % (V) at 1.013 kPa (760 mmHg)
Vapour Pressure	0.000021 kPa @ 25 °C
Vapour Density	3.17
Relative Density	1.261 @ 25 °C
Solubility	Soluble in water; hygroscopic
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	393 °C
Decomposition Temperature	No data

Safety Data Sheet

% Volatile	<1
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Stable
Chemical Stability	The product is stable
Possibility of Hazardous Reactions	None
Conditions to Avoid	High temperatures, sparks, open flames, and other sources of ignition. Avoid moisture contamination.
Incompatible Materials	Strong oxidizers, strong acids, and isocyanates.
Hazardous Decomposition Products	Under normal storage conditions decomposition will not occur. Thermal decomposition products are toxic and may include oxides of carbon and irritating gases.

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerine	12.6 g/kg (Rat)	>10 g/kg (Rabbit)	>570 mg/m ³ , 1h (Rat)
Likely Routes of Exposure			
Skin:	Potential irritant. May cause irritation and redness with prolonged and repeated contact.		
Eyes:	May cause tearing and irritation.		
Inhalation:	May cause irritation of the upper respiratory tract.		
Ingestion:	May cause irritation of the upper respiratory tract. May cause digestive tract disturbances.		
Acute Toxicity Estimate (ATE)	LD50 Oral - Rat - 12,600 mg/kg LD50 Dermal - Rabbit - > 10,000 mg/kg		
STOT (Specific Target Organ Toxicity) – Single Exposure	Not classified		
Aspiration Toxicity	Not classified		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	Not classified		
Serious Eye Damage / Irritation	Not classified		
Respiratory or Skin Sensitization	Not classified		



Manufacturer of Specialty Chemicals

Safety Data Sheet

Carcinogenicity	No information available.
Reproductive Toxicity	
- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	None known
Other Information	None known

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

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of contents/container in accordance with local, provincial, and national regulations

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

Safety Data Sheet

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

Section 16. Other Information	
NFPA Rating	Health-0/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-0/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	6 October, 2011
Date of Latest Revision:	25 January 2021
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