

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Trade Name: Superwet 250
Other Means of Identification: None
Recommended Use: Drilling Fluids Additive
Supplier: Bri-Chem Supply Ltd.
27075 Acheson Road
Acheson, AB T7X 6B1
Phone Number: 780-962-9490
Emergency Phone: CHEMTREC 1-800-424-9300, 24/7

Section 2: HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture

Flam. Liq. 4;H227: Combustible liquid
Eye Irrit. 2;H319: Causes serious eye irritation.
STOT RE 1;H372: Causes damage to organs through prolonged or repeated exposure.

Label Elements



Danger

H227 Combustible liquid
H319 Causes serious eye irritation.
H372 Causes damage to organs through prolonged or repeated exposure

Prevention: P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.
P235 Keep cool.
P260 Do not breathe dust, fume, mist, vapours or spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves, eye protection, face protection.

Response: P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get Medical advice or attention if you feel unwell.
P337+313 If eye irritation persists: Get medical advice or attention.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

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Storage: P403+235 Store in a well ventilated place. Keep cool.

Disposal: P501 Dispose of contents or container in accordance with local and national regulations.

Other Hazards: This product contains no PBT/vPvB chemicals. This product contains no endocrine disrupting chemicals.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Ethane-1,2-diol CAS Number: 107-21-1 Synonyms: Ethane-1,2-diol	30 - 60	Acute Tox. 5;H303 STOT RE 1;H372 Eye Dam. 2B;H320	-
1-Propoxy-2-propanol CAS Number: 0001569-01-3 Synonyms: 2-Propanol, 1-propoxy-	10 - 30	Flam. Liq. 3;H226 Eye Dam. 2A;H319	-

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

Section 4: FIRST-AID MEASURES

Description of First-Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most Important Symptoms and Effects, Acute and Delayed

Overview: No specific symptom data available. Treat symptomatically. See section 2 for further details.

Eyes: Causes serious eye irritation.

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Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Recommended Extinguishing Media: Alcohol, resistant foam, CO₂, powder, water spray.

Unsuitable Extinguishing Media: Do not use; water jet.

Special Hazards Arising from the Substance or Mixture

Hazardous Decomposition: No hazardous decomposition data available. Keep away from heat, sparks, open flames, and other ignition sources - No smoking. Keep cool. Do not breathe dust, fume, mist, vapours or spray.

Advice for Fire-Fighters: As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Put on appropriate personal protective equipment (see section 8). Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental Precautions: Do not allow spills to enter drains or waterways.

Methods and Materials for Containment and Cleaning Up: Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Handle containers carefully to prevent damage and spillage. Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

Conditions for Safe Storage: Store in a cool dry area, away from heat, sparks and open flame. Keep containers sealed when not in use. Store out of direct sunlight.

Incompatible Materials: No available information

Specific End Uses(s): No available information

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Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure

CAS No.	Ingredient	Source	Value
0001569-01-3	1-Propoxy-2-propanol	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
107-21-1	Ethane-1,2-diol	ACGIH	25 ppm TWA (vapor fraction)
		Alberta	No Established Limit
		British Columbia	10 mg/m ³ TWA (particulate) 20mg/m ³ STEL (particulate)
		Manitoba	25 ppm TWA (vapor fraction) 50 ppm STEL (vapor fraction); 10 mg/m ³ STEL (inhalable particulate matter, aerosol only)
		New Brunswick	No Established Limit
		Newfoundland and Labrador	25 ppm TWA (vapor fraction) 50 ppm STEL (vapor fraction); 10 mg/m ³ STEL (inhalable particulate matter, aerosol only)
		Nova Scotia	25 ppm TWA (vapor fraction) 50 ppm STEL (vapor fraction); 10 mg/m ³ STEL (inhalable particulate matter, aerosol only)
		Northwest Territories	No Established Limit

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Nunavut	No Established Limit
Ontario	No Established Limit
Prince Edward Island	25 ppm TWA (vapor fraction) 50 ppm STEL (vapor fraction); 10 mg/m ³ STEL (inhalable particulate matter, aerosol only)
Quebec	No Established Limit
Saskatchewan	No Established Limit
Yukon	10 mg/m ³ TWA (particulate); 100 ppm TWA (vapour); 250 mg/m ³ TWA(vapour) 10 ppm STEL (particulate); 20 mg/m ³ STEL (particulate); 125 ppm STEL (vapour); 325 mg/m ³ STEL

Exposure Controls

Respiratory:	If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.
Eyes:	Protective safety glasses recommended.
Skin:	Avoid skin contact. Protective gloves recommended.
Engineering Controls:	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See Section 2 for further details.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Color:	Light white – yellow
Odour:	Sweet
Melting Point/Freezing Point:	No available information
Initial Boiling Point and Boiling Range:	No available information
Flammability (Solid, Gas):	No available information
Upper/Lower Flammability or Explosive Limits:	Lower Explosive Limit: No available information Upper Explosive Limit: No available information

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Flash Point:	61°C Test method: (close cup)
Auto-ignition Temperature:	No available information
Decomposition Temperature:	No available information
pH:	No available information
Viscosity (cSt):	No available information
Solubility in Water:	Dispersible in Water
Partition Coefficient, n-Octanol/Water (Log Kow):	No available information
Vapor Pressure (Pa):	No available information
Specific Gravity:	No available information
Vapor Density:	No available information
Evaporation Rate (Ether=1):	No available information
Oxidising Properties:	No available information
Explosive Properties:	No available information
Other Information:	No other relevant information.

Section 10: STABILITY AND REACTIVITY

Reactivity:	Hazard Polymerization will not occur.
Chemical Stability:	Stable under normal circumstances.
Possibility of Hazardous Reactions:	No available information.
Conditions to Avoid:	Avoid high temperatures and contact with incompatible material.
Incompatible Materials	No available information.
Hazardous Decomposition Products:	No hazardous decomposition data available.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Ethane-1, 2-diol – (107-21-1)	4,700.00, Rat Category: 5	No data available	No data available	No data available	No data available
1-Propoxy-2-propanol - (1569-01-3)	No data available	No data available	No data available	No data available	No data available

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Carcinogen Data

CAS No.	Ingredient	Source	Value
0001569-01-3	1-Propoxy-2-propanol	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
107-21-1	Ethane-1,2-diol	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	A4

Classification	Category	Hazard Description
Acute toxicity (oral)	-	Not applicable
Acute toxicity (dermal)	-	Not applicable
Acute toxicity (inhalation)	-	Not applicable
Skin Corrosion/Irritation	-	Not applicable
Serious Eye Damage/Irritation	2	
Respiratory Sensitization	-	Not applicable
Skin Sensitization	-	Not applicable
Germ Cell Mutagenicity	-	Not applicable
Carcinogenicity	-	Not applicable
Reproductive Toxicity	-	Not applicable
STOT – Single Exposure	-	Not applicable
STOT – Repeated Exposure	1	Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard	-	Not applicable

Possible Routes of Entry: -

Symptoms and Effects, both Acute and Delayed: No specific symptom data available. Treat symptomatically.

Eyes: Causes serious eye irritation.

Section 12: ECOLOGICAL INFORMATION

Toxicity: No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethane-1,2-diol - (107-21-1)	4,100.00	Not available	Not available
1-Propoxy-2-propanol - (1569-01-3)	Not available	Not available	Not available

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Persistence and Degradability: There is no data available on the preparation itself.

Bioaccumulative Potential: No available information

Mobility in Soil: No available information

Results of PBT and vPvB Assessment: This product contains no PBT/vPvB chemicals.

Other Adverse Effects: No available information

Section 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Observe all federal, provincial and local regulations when disposing of this substance.

Section 14: TRANSPORT INFORMATION

Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations.

TDG (Domestic Surface Transportation)	IMO/IMDG (Ocean Transportation)	ICAO/IATA
Not regulated	Not regulated	Not regulated

Environmental Hazards: Marine Pollutant: No

Special Precautions for User: No available information

Section 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations(SOR/2015-17) and the SDS contains all of the information required by those regulations.

Canadian Domestic Substance List (DSL): 1-Propoxy-2-propanol
Ethane-1,2-diol

Canadian Non-Domestic Substance List (NDSL): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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Section 16: OTHER INFORMATION

Disclaimer:

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

Prepared by: Bri-Chem Supply Ltd.

Revision Date: September 10, 2024