




Section 1: Product & Company Information

Product Name: Emulsifier Primary
Chemical Family: Oil-Wetting Surfactants
Product Use: Drilling Fluid Additive

Workplace Hazardous Materials Information Systems Data (WHMIS):

	Class ID	Class	Workplace Hazard
	B-3	Combustible Liquid	Combustible Liquid
	D-1-B	Materials Causing Immediate/Serious Toxic Effects - Toxic	Immediate serious toxic effects
	D-2-B	Materials Causing Other Toxic Effects - Toxic	Skin and eye irritant

Manufacturer Name: Bri-Chem Supply Ltd.
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MSDS Revision Date: January 1, 2008
Supersedes: January 1, 2005
Prepared By: Bri-Chem Supply Ltd.
Preparer's Phone: (780) 455-8667

Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
Petroleum Hydrocarbons	7-13%	64741-44-2
Heavy Aromatic Naptha	10-30%	64742-94-5

Section 3: Hazards Identification

Emergency Overview: None required.

Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	No
Eye Contact:	Yes
Inhalation:	Yes
Ingestion:	Yes

Potential Health Effects:

Skin:	Repeated or prolonged contact may result in defatting, redness, inflammation, and irritation.
Eye:	Exposure to vapours, fumes, or mists may cause irritation.
Inhalation:	May cause respiratory tract irritation. May cause central nervous system effects, including excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death.
Ingestion:	May cause gastrointestinal disturbances. Symptoms may include irritation, diarrhea, and vomiting. Aspiration into lungs may cause pneumonitis. Exposure may cause nervous system effects such as CNS depression, similar to those of inhalation.

Section 4: First Aid Measures

Eye Contact:	Flush eyes immediately after contact for at least 15 minutes. Seek medical attention.
Skin Contact:	Flush skin with soap and water for at least 15 minutes after contact. If adverse symptoms develop, seek medical attention.
Inhalation:	Remove patient to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention.
Ingestion:	DO NOT induce vomiting. Give 250ml of milk to drink. Seek medical attention. Do not give anything by mouth to an unconscious person.
Other First Aid:	None required.

Section 5: Fire Fighting Measures

Conditions Of Flammability:	Not known.
Extinguishing Media:	Dry chemical, CO ₂ , foam, water
Flashpoint:	63°C
Upper Flammable Limit:	Not Determined
Lower Flammable Limit:	Not Determined
Autoignition Temperature:	Not Determined
Protective Equipment:	Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge:	Not known.
Hazardous Combustion Products:	None known.
Fire Comment:	

Section 6: Accidental Release Measures

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Small spills, soak up with absorbent material. Large spills, dike to contain spill to prevent water pollution. Extremely slippery when wet. Return recovered material to plant.

Section 7: Handling & Storage

Handling:	Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.
Storage:	Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials.

Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

Engineering Controls:	Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.
Personal Protective Equipment:	Chemical-resistant clothing is recommended, including gloves, apron, and goggles.
Respiratory Protection:	Recommend NIOSH-approved dust respirator.
Exposure Limits:	Heavy aromatic naptha manufacturer recommends: 100ppm

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
Petroleum Hydrocarbons	Not Available	Not Available
Heavy Aromatic Naptha	Not Determined	Not Determined

Section 9: Physical & Chemical Properties

Physical State:	Liquid
Odour And Appearance:	Dark amber liquid; rancid odour
Odour Threshold:	Not determined.
Boiling Point:	Not determined.
Evaporation Rate:	Not determined.
Melting Point:	Not determined.
Freezing Point:	Not determined.
Specific Gravity:	0.96
Solubility in Water:	Insoluble
Vapour Density:	Not determined.
Vapour Pressure:	Not determined.
pH:	N/A
Flash Point:	63°C
Volatility (% by volume):	Not determined.
Coefficient of Water to Oil distribution:	Not determined.

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	
Incompatible Substances:	Strong oxidizers, acids
Special Decomposition Products:	CO ₂ , SO, smoke on combustion

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
Petroleum Hydrocarbons	>5 mg/kg	Not Determined	Not Determined
Heavy Aromatic Naptha	3000 mg/kg	3000 mg/kg	Not Determined

Effects Of Acute Exposure: Not determined.

Effects Of Chronic Exposure: Not determined.

General Irritancy Of Product: Not determined.

Sensitization: Not determined.

Carcinogenicity: N/A

Reproductive Toxicity: N/A

Teratogenicity: N/A

Embryotoxicity: Not Available

Mutagenicity: N/A

Synergistic Products: N/A

Section 12: Ecological Information

Ecotoxicity: Not Available

Environmental Fate: Not Available

Section 13: Disposal Considerations

Waste Disposal: All waste should be disposed of according to federal, provincial and local regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government regulations.

Section 14: Transport Information




TDG Classification: Not regulated.

DOT UN Number: Not regulated.

Shipping Notes: No special requirements

Section 15: Regulatory Information

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This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: January 1, 2008

MSDS Revision Notes:

MSDS Author: Bri-Chem Supply Ltd.

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