

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Trade Name: Supersaul 3

Other Means of Identification: Parts Cleaner

Product Family: Supersaul

Recommended Use: Drilling Fluids Additive

Restrictions on Use: For Industrial Use

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: Flammable liquid – Category 4

Label Elements

Signal Word: Warning, Combustible liquid, Category 4.

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/protective clothing/eye protection/face protection.

Storage: Store in a well-ventilated place.

Disposal: Dispose of contents and container in accordance with local, regional, national and international regulations.

In Case of Fire: Use carbon dioxide, dry chemical powder, appropriate foam, water spray or fog to extinguish.

Other Hazards: None known

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Hydrotreated Light Naphthenic Distillate	64742-53-6	88-91	-	-
1-Decene, Homopolymer, Hydrogenated	68037-01-4	4-7		
Polyisobutylene, Liquid	9003-27-4	2-5		

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Section 4: FIRST-AID MEASURES

First-Aid Measures

Inhalation: Get medical advice or attention if you feel unwell or are concerned.

Skin Contact: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Clean clothing, shoes and leather goods.

Eye Contact: Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion: Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. May cause Diarrhea.

First-Aid Comments: Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed: None known

Immediate Medical Attention and Special Treatment

Target Organs: None known

Special Instructions: Not applicable

Medical Conditions Aggravated by Exposure: None known

Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media: None known

Special Hazards Arising from the Product: Liquid can float on water and may travel to distant locations and/or spread fire. In a fire, the following hazardous materials may be generated: Carbon Dioxide / Carbon Monoxide very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Firefighters: Use water spray to flush spills away from ignition sources. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

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Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions: It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up: Small spills or leaks: use Sawdust, absorbent or rags for containment. Contain and soak up spill with absorbent that does not react with spilled product. Stop or reduce leak if safe to do so.
Large spills or leaks: remove or recover liquid using pumps or vacuum equipment.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Do NOT smoke in work areas. General hygiene considerations: clean clothing, shoes and leather goods. Prevent accidental contact with incompatible chemicals.

Conditions for Safe Storage: Store in an area that is: cool, ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity).

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
1-Decene, homopolymer, hydrogenated	Not established	-	Not established	-	-	-
Polyisobutylene, liquid	Not established	-	Not established	-	-	-
Hydrotreated light naphthenic distillate	Not established	-	Not established	-	-	-

Appropriate Engineering Controls: General ventilation is usually adequate. For large scale use of this product: use local exhaust ventilation and enclosure, if necessary, to control amount in the air.

Individual Protection Measures

Eye/Face Protection: Wear chemical safety goggles.

Skin Protection: Not required, if used as directed. Suitable materials are: neoprene rubber, nitrile rubber, polyvinyl alcohol.

Respiratory Protection: Not normally required if product is used as directed.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance:	Clear
Odour:	Odourless
Odour Threshold:	Not available
pH:	Not applicable
Melting Point/Freezing Point:	~ -67°C (melting); ~ -68°C (freezing)
Initial Boiling Point/Range:	191°C
Flash Point:	~ 64°C
Evaporation Rate:	Not available
Flammability (solid, gas):	Not applicable
Upper/Lower Flammability or Explosive Limit:	~ 5% (upper); ~ 0.5% (lower)
Vapour Pressure:	~ 0.06 kPa
Vapour Density (Air=1):	~ 4.5
Relative Density (Water=1):	0.78 at 20°C
Solubility:	Insoluble in water; Highly soluble in common organic solvents.
Partition Coefficient, n-Octanol/Water (Log Kow):	Not available
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	~ 1.7 centistokes (kinematic); Not available (dynamic)

Section 10: STABILITY AND REACTIVITY

Reactivity:	None known
Chemical Stability:	Normally stable
Possibility of Hazardous Reactions:	None expected under normal conditions of storage and use.
Conditions to Avoid:	High temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Temperatures above 64.0°C (147.2 °F)
Incompatible Materials	Strong bases (e.g. sodium hydroxide), strong oxidizing agents (e.g. perchloric acid). Not corrosive to metals.
Hazardous Decomposition Products:	Very toxic carbon monoxide, carbon dioxide.

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Section 11: TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure:	Skin contact; ingestion.
Acute Toxicity:	LC50: No information was located. LD50 (oral): No information was located. LD50 (dermal): No information was located.
Skin Corrosion/Irritation:	There is limited evidence of very mild irritation. Hydrotreated light naphthenic distillate: 1-Decene, homopolymer, hydrogenated: Polyisobutylene, liquid.
Serious Eye Damage/Irritation:	There is limited evidence of very mild irritation. Hydrotreated light naphthenic distillate: 1-Decene, homopolymer, hydrogenated: Polyisobutylene, liquid.
STOT (Specific Target Organ Toxicity) - Single Exposure	
Inhalation:	No information was located.
Skin Absorption:	No information was located.
Ingestion:	No information was located. May be harmful If large amounts are swallowed in severe cases, symptoms may include fatigue, shortness of breath, bluish lips and skin, headache, nausea, vomiting, irregular heartbeat, dizziness and confusion. A laxative effect if large amounts are swallowed.
Aspiration Hazard:	There is limited evidence of very mild irritation. Hydrotreated light naphthenic distillate: 1-Decene, homopolymer, hydrogenated: Polyisobutylene, liquid.
STOT (Specific Target Organ Toxicity) - Repeated Exposure:	No information was located.
Respiratory and/or Skin Sensitization:	No information was located for respiratory sensitization. No information was located for skin sensitization.
Carcinogenicity:	No information was located. Conclusions cannot be drawn from the limited studies available. Hydrotreated light naphthenic distillate: 1-Decene, homopolymer, hydrogenated: Polyisobutylene, liquid:
Key to Abbreviations	A5 = Not suspected as a human carcinogen.
Reproductive Toxicity	
Development of Offspring:	No information was located.
Sexual Function and Fertility:	No information was located.
Effects on or via Lactation:	No information was located.
Germ Cell Mutagenicity:	No information was located.
Interactive Effects:	No information was located.

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Section 12: ECOLOGICAL INFORMATION

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

Ecotoxicity:	Studies were not located.
Persistence and Degradability:	No ingredient of this product or its degradation products is known to be highly persistent.
Bioaccumulative Potential:	This product and its degradation products are not known to bioaccumulate.
Mobility in Soil:	If released into the environment, this product is expected to move slowly through the soil, based on physical and chemical properties
Other Adverse Effects:	There is no information available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Recycle and reuse product, if possible. Dispose of contents and container in accordance with local, regional, national and international regulations. Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants).
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Section 14: TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Environmental Hazards:	Potential Marine Pollutant (Hydrotreated light naphthenic distillate)
Special Precautions:	Not applicable
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable

Section 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations

None known this section is not required by OSHA HCS 2012. This section is not required by WHMIS.

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):	All ingredients are listed on the DSL or are not required to be listed.
CEPA - National Pollutant Release Inventory (NPRI):	Not specifically listed.

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USA

Toxic Substances Control Act (TSCA) Section 8(b): All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

Section 16: OTHER INFORMATION

NFPA Rating

Health – 1

Flammability – 2

Instability – Not assigned.

Based on Hydrotreated light naphthenic distillate

Key to

Abbreviations:

ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
OSHA = US Occupational Safety and Health Administration
RTECS® = Registry of Toxic Effects of Chemical Substances

References:

CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS)
Registry of Toxic Effects of Chemical Substances (RTECS®) database
Dassault Systèmes/BIOVIA ("BIOVIA")
Available from Canadian Centre for Occupational Health and Safety (CCOHS)

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.

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