

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **DI-SPERSE 74**

OTHER MEANS OF IDENTIFICATION: None

RECOMMENDED USE: Oilwell drilling fluid additive

RESTRICTIONS ON USE: None

SUPPLIER IDENTIFIER: **Di-Corp**
8750-53 Ave
Edmonton, AB T6E 5G2
780-440-4923

EMERGENCY PHONE NUMBER: 780-468-4064

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Combustible Dust – Category 1

LABEL SYMBOLS: Not applicable

SIGNAL WORD: Warning

HAZARD STATEMENTS: May form combustible dust concentrations in air

OTHER HAZARDS: None

Prevention
Avoid creating dust clouds during use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response
In case of fire: Use CO₂, dry chemical or foam for extinction.

Storage
No special storage requirements.

Disposal
Dispose of contents/container in accordance with local, provincial or federal regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
	Not available	

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Brush away excess material and wash with water. If irritation develops, obtain medical attention.

EYE CONTACT: Immediately flush eyes with gently flowing warm water for minimum of 15 minutes. If irritation persists obtain medical attention.

INGESTION: Treat symptomatically. No harmful effects expected.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues obtain medical attention.

MOST IMPORTANT SYMPTOMS / EFFECTS: No known effects.

IMMEDIATE MEDICAL ATTENTION /
SPECIAL TREATMENT:

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water spray or foam.
UNSUITABLE EXTINGUISHING MEDIA: Not available.
SPECIFIC FIRE HAZARDS: May form an explosive dust/air mixture in the presence of an ignition source. May burn under fire conditions.
HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce: oxides of nitrogen, oxides of carbon, oxides of sulfur. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: Self-contained breathing apparatus required for fire-fighting personnel. Move from fire area if possible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Spill of dry product presents a slip hazard when wet and should be cleaned up immediately. Do not wet spills of dry product. Avoid creating dust clouds. Eliminate ignition sources. Use nonsparking tools.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Collect spilled material by vacuum if possible to avoid generation of dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Wash spill area with water until non-slippery.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing dust. Avoid creating dust cloud during handling. Use only explosion-proof equipment. Use only in a well ventilated area.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry area away from incompatible materials. Keep away from heat and sources of ignition. Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air in which case ignition sources should be avoided. Slippery when wet.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not available.
ENGINEERING CONTROLS: Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain vapour concentration below TLV's.
PERSONAL PROTECTIVE MEASURES
RESPIRATORY PROTECTION: Respiratory protection should be worn when there is a potential to exceed exposure limit requirements or guidelines.
PROTECTIVE GLOVES: Not required.
EYE PROTECTION: Safety glasses with side-shields or chemical goggles.
OTHER PROTECTIVE EQUIPMENT (SPECIFY): Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White powder
ODOUR:	No odour
ODOUR THRESHOLD:	Not applicable
pH:	4 – 9 (5 g/L)
MELTING POINT / FREEZING POINT:	>150°C
BOILING POINT / RANGE:	Not applicable
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not applicable
FLAMMABILITY:	Not available
FLAMMABILITY / EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not applicable
RELATIVE DENSITY:	0.2 – 0.9
SOLUBILITY:	Soluble in water
PARTITION COEFFICIENT:	<0
AUTO-IGNITION TEMPERATURE:	Does not self-ignite
DECOMPOSITION TEMPERATURE:	>150°C
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	None known
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Polymerization will not occur
CONDITIONS TO AVOID:	Open flame and ignition sources.
INCOMPATIBLE MATERIALS:	Incompatible with strong acids and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may produce: oxides of nitrogen, oxides of carbon, oxides of sulfur. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (oral, rat) > 5000 mg/kg (estimated) LD50 (dermal, rabbit) > 5000 mg/kg (estimated)
SKIN CONTACT:	No effects expected.
EYE CONTACT:	May cause slight irritation.
INGESTION:	No adverse effects expected from incidental ingestion.
INHALATION:	High dust levels may cause upper respiratory tract irritation.
CARCINOGENICITY:	Not listed by IARC, NTP, ACGIH or OSHA.
TERATOGENICITY:	Not toxic based on available information.
REPRODUCTIVE TOXICITY:	Not toxic based on available information.
MUTAGENICITY:	Not mutagenic based on available information.

CHRONIC TOXICITY: No information available.
TARGET ORGAN EFFECTS: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: LC50 (oncorhynchus mykiss) > 100 mg/L/96 hr (estimated)
EC50 (daphnia) > 100 mg/L/48 hr (estimated)
IC50 (algae) > 100 mg/L/72 hr (estimated)

PERSISTENCE AND DEGRADABILITY: Not readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Not likely to bioaccumulate.

MOBILITY IN SOIL: No information available.

OTHER ADVERSE EFFECTS: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose/incinerate in accordance with federal, state and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

SECTION 14: TRANSPORTATION INFORMATION

UN NUMBER: Not applicable

PROPER SHIPPING NAME: Not applicable

CLASS: Not applicable

PACKING GROUP: Not applicable

IMDG HAZARDS: Not applicable

BULK TRANSPORT: Not applicable

SPECIAL PRECAUTIONS: Not applicable

SECTION 15: REGULATORY INFORMATION

DSL: All ingredients are listed on the DSL.

WHMIS CLASS: Not controlled

TSCA: All ingredients are listed or exempt from listing.

SECTION 16: OTHER INFORMATION

REVISION DATE: May 24, 2018

REPLACES: April 5, 2017

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