

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **OILGEL 3000**
 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: 780-440-4923

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:



CLASSIFICATION INFORMATION:

Carcinogenicity – Category 1A
 Contains crystalline silica which may cause cancer by inhalation.

SIGNAL WORD:

WARNING!

PRECAUTIONARY STATEMENTS:

Avoid creating dust clouds when handling.
 Use engineering controls and wear appropriate respiratory protective equipment.

OTHER HAZARDS:

Long term exposure to respirable crystalline silica can cause lung damage.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Quartz; crystalline silica	14808-60-7	<3%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Wash with soap and water. If irritation persists, or develops, seek medical attention.
 EYE CONTACT: Flush with gently flowing warm water until particles are removed and irritation ceases. If irritation persists, contact a physician.
 INGESTION: If large amounts ingested, obtain medical attention.

INHALATION: Move to area free from dust. If breathing difficulties continue, obtain medical attention. Inhalation may aggravate existing respiratory illness.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use media suitable for packaging and surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA: None
SPECIFIC FIRE HAZARDS: Powdered material may form explosive dust-air mixtures.
HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, NO_x, gaseous HCl.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: Self-contained breathing apparatus required for fire-fighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Avoid breathing dust; wear an approved respirator. Do not flush with water; becomes slippery when wet.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Vacuum up, if possible, to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Avoid eye contact. Launder contaminated clothing before reuse. Slippery when wet. Empty packages contain residual hazardous material and should be handled as if full.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area. Keep away from heat and sources of ignition.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Quartz; crystalline silica
ACGIH TWA = 0.025 mg/m³
ENGINEERING CONTROLS: Maintain adequate engineering controls and/or ventilation to keep hazardous ingredient(s) below their statutory limits.
PERSONAL PROTECTIVE MEASURES
RESPIRATORY PROTECTION: NIOSH approved dust masks or respirators for silica bearing dust.

PROTECTIVE GLOVES: Personal preference.
 EYE PROTECTION: Safety glasses with side shields recommended.
 OTHER PROTECTIVE EQUIPMENT (SPECIFY): Ensure eyewash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White powder
 ODOUR: Odourless
 ODOUR THRESHOLD: Not applicable
 pH: Not available
 MELTING POINT / FREEZING POINT: Not applicable
 BOILING POINT / RANGE: Not applicable
 FLASH POINT: Not applicable
 EVAPORATION RATE: Not applicable
 FLAMMABILITY: Not flammable
 FLAMMABILITY / EXPLOSIVE LIMITS: LEL: 126 g/cm³ UEL: Not available
 VAPOUR PRESSURE: Not available
 VAPOUR DENSITY: Not available
 RELATIVE DENSITY: 1.7 g/cm³
 SOLUBILITY: Insoluble in water
 PARTITION COEFFICIENT: Not available
 AUTO-IGNITION TEMPERATURE: Not self-igniting
 DECOMPOSITION TEMPERATURE: Not available
 VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No known dangerous reactions under normal conditions of use.
 CHEMICAL STABILITY: Stable under recommended storage conditions.
 POSSIBILITY OF HAZARDOUS REACTIONS: None known.
 CONDITIONS TO AVOID: Avoid creating dust clouds in the presence of heat, flames and ignition sources.
 INCOMPATIBLE MATERIALS: Oxidizing agents.
 HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: Not available.

COMPONENT TOXICITY

COMPONENT	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Quartz; crystalline silica	500 mg/kg Unconfirmed	Not available	Not available

SKIN CONTACT:	No effects expected from acute or chronic skin contact.
EYE CONTACT:	May cause mechanical irritation.
INGESTION:	Low oral toxicity. No effects expected.
INHALATION:	May cause irritation of the upper respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.
CARCINOGENICITY:	This product is not listed by ACGIH, IARC, NTP or OSHA. Crystalline silica, when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).
TERATOGENICITY:	No information available. No adverse teratogenic effects are anticipated.
REPRODUCTIVE TOXICITY:	No information available. No adverse reproductive effects are anticipated.
MUTAGENICITY:	Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.
CHRONIC TOXICITY:	No product information available.
TARGET ORGAN EFFECTS:	Respiratory system (lungs).

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	No data available.
PERSISTENCE AND DEGRADABILITY:	No data available.
BIOACCUMULATIVE POTENTIAL:	No data available.
MOBILITY IN SOIL:	No data available.
OTHER ADVERSE EFFECTS:	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial 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. May be disposed of as an inert solid in a sanitary landfill in some locations: Check with local operator. Empty packages should be taken for local recycling, recover or waste disposal: Check with local waste operator.

SECTION 14: TRANSPORTATION INFORMATION

UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	None
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 on the DSL.
WHMIS CLASS:	D2A
TSCA:	In compliance

SECTION 16: OTHER INFORMATION

REVISION DATE:	April 24, 2015
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