

## SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	<b>Mica</b>
OTHER MEANS OF IDENTIFICATION:	Mica Medium; Mica Coarse; Mica 25Z; Mica 40Z; Magnesium Potassium Silicate
RECOMMENDED USE:	Oilwell drilling fluid additive
RESTRICTIONS ON USE:	None known
SUPPLIER IDENTIFIER:	<b>Di-Corp</b> <b>8750-53 Ave</b> <b>Edmonton, AB T6E 5G2</b> <b>780-440-4923</b>
EMERGENCY PHONE NUMBER:	780-468-4064

## SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Not WHMIS classified
LABEL SYMBOLS:	Not applicable
SIGNAL WORD:	Not applicable
CLASSIFICATION INFORMATION:	Not applicable
PRECAUTIONARY STATEMENTS:	Not applicable
OTHER HAZARDS:	None known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Mica (magnesium potassium silicate)	12001-26-2	>90
Magnesium calcium silicate (diopside)	14483-19-3	<5
Sodium aluminum silicate (feldspar)	68475-25-5	<5

## SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	If irritation occurs, or when shift ends, wash with soap and water until clean. If irritation persists, obtain medical attention.
EYE CONTACT:	Flush eyes with gently flowing warm water until particles are dislodged. If irritation persists, obtain medical attention.
INGESTION:	If fully conscious, give large quantity of water. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to area free from dust. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If breathing difficulties or distress continues, obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	No significant acute health effects expected as a result of contact with this product. Repeated and prolonged exposure to large amounts of mica dust can cause lung injury (pneumoconiosis). Risk of injury is dependent on the duration and level of exposure.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media appropriate for packaging and surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	Not applicable.
SPECIFIC FIRE HAZARDS:	None.
HAZARDOUS COMBUSTION PRODUCTS:	Not available.

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:

Self-contained breathing apparatus and chemical resistant clothing required for firefighting personnel.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use proper respiratory and personal protective equipment. Avoid creating dust clouds. Spilled materials may cause slippery conditions when wet.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Sweep up or vacuum to collect spilled material. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Flush spill area with copious quantities of water.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Avoid creating dust clouds. Avoid breathing dust. Practice reasonable caution and personal cleanliness. Launder contaminated clothing before reuse.

### CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

ACGIH OEL TWA = 3 mg/m<sup>3</sup> (inhalable particulate matter)

ENGINEERING CONTROLS:

Use only with adequate ventilation. If user operations generate dust use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.

### PERSONAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

Use a properly fitted particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.

PROTECTIVE GLOVES:

Rubber gloves recommended for prolonged exposures.

EYE PROTECTION:

Safety glasses with side shields recommended.

OTHER PROTECTIVE EQUIPMENT (SPECIFY):

Protective clothing as required to prevent contact. Ensure eye-wash station and emergency shower are available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Light grey powder

ODOUR:

Odourless

ODOUR THRESHOLD:

Not applicable

pH:

8.5 – 9.5 (10% slurry in water)

MELTING POINT / FREEZING POINT:

>1300°C

BOILING POINT / RANGE:

Not available

FLASH POINT:

Not applicable

EVAPORATION RATE:

Not applicable

FLAMMABILITY:

Not applicable

FLAMMABILITY / EXPLOSIVE LIMITS:

Not applicable

VAPOUR PRESSURE:

Not applicable

VAPOUR DENSITY:

Not applicable

RELATIVE DENSITY:

2.70 – 2.85

SOLUBILITY:

Insoluble in water

PARTITION COEFFICIENT:	Not applicable
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not applicable
VISCOSITY:	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not reactive.
CHEMICAL STABILITY:	Stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	None known.
CONDITIONS TO AVOID:	None known.
INCOMPATIBLE MATERIALS:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	None.

## SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	No information available.
SKIN CONTACT:	No adverse effects expected.
EYE CONTACT:	May cause mechanical irritation.
INGESTION:	No adverse effects expected.
INHALATION:	May cause irritation of the upper respiratory tract. Mica may contain small amounts of crystalline silica. Long term exposure to crystalline silica can cause lung injury (silicosis). Risk of injury is dependent on the duration and level of exposure.
CARCINOGENICITY:	Mica may contain small amounts of crystalline silica. IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	Not available.

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	No data available.
PERSISTENCE AND DEGRADABILITY:	Not applicable to inorganic materials.
BIOACCUMULATIVE POTENTIAL:	Low potential for bioaccumulation.
MOBILITY IN SOIL:	Negligible.
OTHER ADVERSE EFFECTS:	No known significant effects or critical hazards.

## 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.

## **SECTION 14: TRANSPORTATION INFORMATION**

TDG:	Not regulated
DOT:	Not regulated
IATA:	Not regulated
IMDG:	Not regulated
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:	None

## **SECTION 15: REGULATORY INFORMATION**

DSL:	Listed
WHMIS CLASS:	Not controlled
TSCA:	Listed

## **SECTION 16: OTHER INFORMATION**

REVISION DATE:	June 21, 2017
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