

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	ACTIVATED CARBON
OTHER MEANS OF IDENTIFICATION:	None
RECOMMENDED USE:	Drilling fluid additive
RESTRICTIONS ON USE:	None known
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:	Not hazardous per part 2 of the HPR
LABEL SYMBOLS:	Not applicable
SIGNAL WORD:	Not applicable
CLASSIFICATION INFORMATION:	Not applicable
PRECAUTIONARY STATEMENTS:	Not applicable
OTHER HAZARDS:	Caution: Wet activated carbon removes oxygen from air causing a severe hazard to workers inside confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Activated carbon	64365-11-3	100%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Remove contaminated clothing and wash affected area thoroughly with water and soap. If irritation occurs, and persists, obtain medical attention.
EYE CONTACT:	Do not rub eyes. Immediately flush with gently flowing warm water until irritation ceases. Obtain medical attention if irritation persists.
INGESTION:	Rinse mouth with water. If symptoms occur, or large amount ingested, obtain medical attention. Never give anything by mouth if victim 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 known acute or chronic health effects are expected as a result of contact with this product.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide to extinguish.
UNSUITABLE EXTINGUISHING MEDIA:	None.
SPECIFIC FIRE HAZARDS:	POTENTIAL COMBUSTIBLE DUST HAZARD. Powdered material may form explosive dust-air mixture, which can be ignited by a spark heat or flame. Self-heating, may catch fire. Presence of water accelerates self-heating. May reignite after fire is extinguished. Can ignite on hot

surfaces. Organic impurities lower the autoignition temperature and increase the ignition hazard. Dry activated carbon accumulates static charge. When evaluating the dust explosion hazard of a specific process or sample of material, the important factors to consider include: particle size and shape, dust concentration, the nature of any impurities, oxygen concentration, humidity, and extent of containment.

HAZARDOUS COMBUSTION PRODUCTS:

Formaldehyde, carbon monoxide, carbon dioxide, and other irritating and toxic fumes may be formed in a fire.

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

Wear appropriate safety gear including eye and respiratory protection. Eliminate ignition sources. Avoid generation of dusts during clean-up.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Collect dry material by vacuum or by sweeping and shoveling. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water once all traces of material are swept up.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes or prolonged skin contact. Use good personal hygiene and housekeeping. Avoid dust formation. Avoid breathing dust. Launder contaminated clothing before reuse. If material is ground, cut or used in any operation which may generate dusts, use appropriate explosion- proof local exhaust ventilation.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry, well-ventilated place away from incompatible materials. Caution: Wet activated carbon removes oxygen from air causing a severe hazard to workers inside confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

ACGIH TLV = 10 mg/m³

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:

Approved dust masks recommended for dust levels below TLV. Use a properly fitted particulate filter respirator complying with an approved standard if airborne concentrations exceeds TLV or if a risk assessment indicates this is necessary.

PROTECTIVE GLOVES:

PVC or other plastic material gloves recommended.

EYE PROTECTION:

Safety glasses with side-shields.

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:

Black powder

ODOUR:

Odourless

ODOUR THRESHOLD:

Not applicable

pH:

Not available

MELTING POINT / FREEZING POINT:

3652°C

BOILING POINT / RANGE:

4000°C (maximum)

FLASH POINT:	Not available
EVAPORATION RATE:	Not applicable
FLAMMABILITY:	>220°C
FLAMMABILITY / EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not applicable
VAPOUR DENSITY:	Not applicable
RELATIVE DENSITY:	0.4 – 0.7
SOLUBILITY:	Slightly soluble in water (0.3g/100mL)
PARTITION COEFFICIENT:	Not applicable
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not available.
CHEMICAL STABILITY:	Stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Self-heats due to slow oxidation by air. Presence of moisture accelerates self-heating.
CONDITIONS TO AVOID:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Keep dry.
INCOMPATIBLE MATERIALS:	Alkali metals and strong oxidizers such as ozone, oxygen, permanganate, chlorine.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (oral, rat) > 10 g/kg LC50 (inhalation, rat) >64.4 mg/L
SKIN CONTACT:	No effects expected.
EYE CONTACT:	May cause mechanical irritation.
INGESTION:	Not toxic by ingestion. No effects expected from ingestion of small quantities.
INHALATION:	Dust may cause irritation including coughing and sneezing.
CARCINOGENICITY:	Not considered to be carcinogenic as per IARC, NTP or OSHA.
TERATOGENICITY:	No evidence of teratogenicity.
REPRODUCTIVE TOXICITY:	No evidence of reproductive toxicity.
MUTAGENICITY:	Not mutagenic according to available information.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	None known.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Not available.
PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	Not 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.

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:	Not available.
WHMIS CLASS:	None
TSCA:	Not available.

SECTION 16: OTHER INFORMATION

REVISION DATE:	June 26, 2018
REPLACES:	None

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