

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	GUAR GUM
OTHER MEANS OF IDENTIFICATION:	Guar Gum HP4501P and Guar Gum MAI FHS
RECOMMENDED USE:	Oilwell drilling fluid additive; mining reagent
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 (24 hr)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Not hazardous according to Part 2 of HPR.
LABEL SYMBOLS:	Not applicable
SIGNAL WORD:	Not applicable
HAZARD STATEMENTS:	Not applicable
CLASSIFICATION INFORMATION:	Not applicable
OTHER HAZARDS:	Slippery when wet.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Guar gum	9000-30-0	100%

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Brush away excess chemical and remove contaminated clothing. Wash affected area thoroughly with soap and water. Caution: Material will become slippery and swell on contact with water.
EYE CONTACT:	Flush eyes with gently flowing warm water until particles are removed. Remove any contact lenses to ensure thorough flushing. If irritation persists obtain medical attention.
INGESTION:	No first aid normally required. If symptoms develop seek medical attention.
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:	Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Guar gum readily absorbs water and swells, and should thus not be ingested as a dry powder since it could cause esophageal obstruction as a result of swelling up in the esophagus rather than the stomach, causing choking or even rupture of the esophagus.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Water, carbon dioxide, chemical or foam.
UNSUITABLE EXTINGUISHING MEDIA:	None.
SPECIFIC FIRE HAZARDS:	This product will burn in fire conditions. Fine dust can form an explosive mixture when suspended in air. Slippery when wet.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon.

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 appropriate safety equipment. Eliminate ignition sources. Avoid creating dust clouds.

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 appropriate containers for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Wear respiratory protection if used in a confined space. Launder contaminated clothing before reuse. Utilize good housekeeping to remove surface dust from floors, walls, beams, around equipment, etc. **WARNING:** Static charges generated by emptying package in or near flammable vapours may cause flash fire. May form flammable dust-air mixtures. Avoid ignition sources such as sparks and flame. Ground all equipment. In addition, when emptying bags where flammable vapours may be present, blanket vessel with inert gas, ground operator, and pour material slowly into conductive, grounded chute. For bulk bags of 1000 kg or greater a grounding cable must be attached to the bag ground connection if present.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area away from ignition sources and oxidizers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Not listed.

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:

Dust mask sufficient for normal conditions of use.

PROTECTIVE GLOVES:

Personal preference.

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:

Free-flowing white to light tan coloured powder

ODOUR:

Odourless

ODOUR THRESHOLD:

Not applicable

pH:

5.0 – 7.5

MELTING POINT / FREEZING POINT:

Not available

BOILING POINT / RANGE:

Not available

FLASH POINT:

Not available

EVAPORATION RATE:

Not applicable

FLAMMABILITY:

Not available

FLAMMABILITY / EXPLOSIVE LIMITS:

Not available

VAPOUR PRESSURE:

Not applicable

VAPOUR DENSITY:

Not applicable

RELATIVE DENSITY:	Not available
SOLUBILITY:	Forms colloidal suspension in water
PARTITION COEFFICIENT:	Not applicable
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not reactive.
CHEMICAL STABILITY:	Stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	None known.
CONDITIONS TO AVOID:	Excessive heat. Ignition sources.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (oral – rat) = 9.4 g/kg
SKIN CONTACT:	No adverse effects expected.
EYE CONTACT:	May cause slight irritation.
INGESTION:	No adverse effects expected. A few individuals are allergic to guar gum and experience reactions such as flushing, itchiness and diarrhea.
INHALATION:	Inhaling dust may cause mild irritation of upper respiratory tract. Long-term inhalation may cause lung damage. Raw guar contains natural proteins that can cause allergic reactions such as asthma and rhinitis, and may cause sensitization. Processed guar, such as this product, contains far less protein and therefore has a lower risk of sensitization.
CARCINOGENICITY:	Does not contain any carcinogens or potential carcinogens.
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. Not expected to be hazardous to the environment.
PERSISTENCE AND DEGRADABILITY:	Product will biodegrade.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
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. It may be possible to dispose of uncontaminated product in general landfill; check with local operator.

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:	Not applicable

SECTION 15: REGULATORY INFORMATION

DSL:	On the DSL.
WHMIS CLASS:	Not controlled
TSCA:	On the list.

SECTION 16: OTHER INFORMATION

REVISION DATE:	July 5, 2018
REPLACES:	February 23, 2018

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