

JAN-15-2003 13:11

BHP MINERALS KELOWNA

May-07-2001 12:16pm

From-HEALTH SAFETY ENVIRONMENT

+5802513868

T-788 P.008/015 F-880



MATERIAL SAFETY DATA SHEET

QUIK-GEL®

Revision Date:

03/02/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: QUIK-GEL®
Synonyms: None
Chemical Family: Mineral
Application: Viscosifier

Manufacturer/Supplier
Baroid Drilling Fluids
a Product Service Line of Halliburton Energy Services, Inc.
P.O. Box 1675
Houston, TX 77251

Telephone: (281) 871-4000
Emergency Telephone: (800) 566-9260 or (713) 676-3000
CHEMTREC: (800) 424-9300

Prepared By
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Bentonite 1302-78-9	60 - 100%	Not applicable	Not applicable
Crystalline silica, quartz 14808-60-7	1 - 5%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye irritation. Potential carcinogen. May cause delayed injury to lungs.

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4. FIRST AID MEASURES

Inhalation

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin

Wash with soap and water. Get medical attention if irritation persists.

Eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion

Under normal conditions, first aid procedures are not required.

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F):

Not Determined

Flash Point/Range (C):

Not Determined

Flash Point Method:

Not Determined

Autoignition Temperature (F):

Not Determined

Autoignition Temperature (C):

Not Determined

Flammability Limits in Air - Lower (%):

Not Determined

Flammability Limits in Air - Upper (%):

Not Determined

Fire Extinguishing Media

All standard firefighting media.

Special Exposure Hazards

Not applicable.

Special Protective Equipment for Fire-Fighters

Not applicable.

NFPA Ratings:

Health 1, Flammability 0, Reactivity 0

HMIS Ratings:

Flammability 0, Reactivity 0, Health 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Use appropriate protective equipment. Avoid creating and breathing dust.

Environmental Precautionary Measures

None known.

Procedure for Cleaning/Absorption

Scoop up and remove.

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7. HANDLING AND STORAGE**Handling Precautions**

Avoid creating or inhaling dust.

Storage Information

Store in a cool, dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls**

Use in a well ventilated area.

Respiratory Protection

Not normally needed. But if significant exposures are possible then the following respirator is recommended. Dust/mist respirator.

Hand Protection

Normal work gloves.

Skin Protection

Normal work coveralls.

Eye Protection

Wear safety glasses or goggles to protect against exposure.

Other Precautions

None known.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State:**

Solid

Color:

Light brown

Odor:

Odorless

pH:

9.5

Specific Gravity @ 20 C (Water=1):

2.5

Density @ 20 C (lbs./gallon):

Not Determined

Bulk Density @ 20 C (lbs/ft³):

47.6

Boiling Point/Range (F):

Not Determined

Boiling Point/Range (C):

Not Determined

Freezing Point/Range (F):

Not Determined

Freezing Point/Range (C):

Not Determined

Vapor Pressure @ 20 C (mmHg):

Not Determined

Vapor Density (Air=1):

Not Determined

Percent Volatiles:

Not Determined

Evaporation Rate (Butyl Acetate=1):

Not Determined

Solubility in Water (g/100ml):

Insoluble

Solubility in Solvents (g/100ml):

Not Determined

Solubility in Sea Water (g/100ml):

Insoluble Sinks

VOCs (lbs/gallon):

Not Determined

Viscosity, Dynamic @ 20 C

(centipoise):

Not Determined

Viscosity, Kinematic @ 20 C

(centistokes):

Not Determined

Partition Coefficient/n-Octanol/Water:

Not Determined

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Molecular Weight (g/mole):

Not Determined

10. STABILITY AND REACTIVITY

Stability Data:

Stable

Hazardous Polymerization:

Will Not Occur

Conditions to Avoid

None anticipated

Incompatibility (Materials to Avoid)

None known.

Hazardous Decomposition Products

None known.

Additional Guidelines

Not Applicable

11. TOXICOLOGICAL INFORMATION

Principal Route of Exposure

Eye or skin contact, inhalation.

Inhalation

May cause respiratory irritation. May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact

None known.

Eye Contact

Dust may cause irritation and inflammation.

Ingestion

None known

Aggravated Medical Conditions

Lung disorders.

Chronic Effects/Carcinogenicity

Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

Other Information

None known.

Toxicity Tests

Oral Toxicity:

Not determined

Dermal Toxicity:

Not determined

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Inhalation Toxicity:

Not determined

Primary Irritation Effect:

Not determined

Carcinogenicity

Not determined

Genotoxicity:

Not determined

Reproductive/Developmental
Toxicity:

Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)

Not determined

Persistence/Degradability

Not determined

Bio-accumulation

Not Determined

Ecotoxicological Information

Acute Fish Toxicity:

TLM95: 10000 ppm (Oncorhynchus mykiss)

Acute Crustaceans Toxicity:

Not determined

Acute Algae Toxicity:

Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method

If not contaminated, reuse product. Bury in a licensed landfill according to federal, state, and local regulations.

Contaminated Packaging

Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT

Not restricted

Canadian TDG

Not restricted