



A HUBER COMPANY

# Material Safety Data Sheet

Revision Date 16/Nov/2006

Revision Number 0.1

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	X-PEL® G
<b>Product Use</b>	Oil field drilling fluid compound
<b>Chemical Name</b>	Polyacrylamide polymer
<b>Company</b>	Kelco Oil Field Group Division of CP KELCO ApS 10920 W. Sam Houston Parkway North Suite 800 Houston, Texas 77064 USA
<b>Telephone</b>	1 800 331 3677 For additional non-emergency information +1 713 895 7575 1 8 a.m. - 5 p.m. (Central Time) weekdays
<b>Fax</b>	+1 713 895 7586
<b>Emergency Telephone Number</b>	CHEMTREC: 1 800 424 9300 or International +1 703 527 3887
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<b>Internet</b>	www.kofg.com

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

<b>Appearance</b>	dark brown to black
<b>Physical State</b>	powder
<b>Odor</b>	slight hydrocarbon odor
<b>D.O.T. Hazard Classification</b>	Non-hazardous material
<b>OSHA Regulatory Status</b>	OSHA Hazard: Warning: Combustible dust. Ensure appropriate electrical classification and avoidance of ignition sources in dusty environments.  Handle in a manner consistent with good industrial hygiene practices--avoid creating or inhaling aerosols of this or any other material.
<b>Slip Hazard</b>	Slip hazard when spilled material becomes wet.

## 2. HAZARDS IDENTIFICATION

### Potential Health Effects

**Principle Routes of Exposure** Inhalation. Skin contact.

### **Acute Effects**

**Eyes** Dry powder may cause foreign body irritation in some individuals.

**Skin** Prolonged contact with the dry powder may cause drying or chapping.

**Inhalation** Inhalation of dust may cause respiratory tract irritation  
Excessive inhalation of dust may cause coughing and sneezing

**Ingestion** Not toxic if swallowed (less than a mouthful) based on available information.

**Additional toxicology information** Refer to Section 11

**Potential Environmental Effects** Refer to Section 12 for Ecological Information  
Refer to Section 13 for Disposal Considerations

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT(S)	CAS Number
Gilsonite resin	12002-43-6

**Additional Information** (\*) Components are listed on EINECS inventory

## 4. FIRST AID MEASURES

**General Advice** Remove material from eyes, skin and clothing.  
In case of doubt or when symptoms persist, seek medical attention.  
Wash heavily contaminated clothing before reuse.

**Eye contact** Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes. If eye irritation persists, seek medical attention.

**Skin contact** Wash off with soap and plenty of water.

**Inhalation** Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

**Ingestion** No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

## 5. FIRE-FIGHTING MEASURES

<b>General Advice</b>	Treat as "Class A" fire. Product will burn when in contact with a flame. Self extinguishes when ignition source is removed. Tends to smoulder.					
<b>Suitable Extinguishing Media</b>	Water. Dry chemical. Carbon dioxide (CO2).					
<b>Hazardous Combustion Products</b>	carbon dioxide carbon monoxide					
<b>Specific Hazards</b>	Can contain sufficient fines to cause a combustible dust explosion Do not breath smoke, gases or vapors generated					
<b>Special Protective Equipment for Firefighters</b>	As in any fire, wear self-contained breathing apparatus (SCBA) pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear					
<b>NFPA</b>	<b>Health</b>	<b>1</b>	<b>Flammability</b>	<b>1</b>	<b>Instability</b>	<b>0</b>
<b>HMIS</b>	<b>Health</b>	<b>1</b>	<b>Flammability</b>	<b>1</b>	<b>Physical Hazard (Reactivity)</b>	<b>0</b>

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Wet material on walking surfaces will be extremely slippery. Avoid dust formation. In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.
<b>Methods for Cleaning up</b>	Use vacuum equipment designed specifically for combustible dust. Take precautionary measures against static discharges. The use of water wash down is not recommended unless the spilled material is already wet. Disposal information - Refer to Section 13.
<b>Other information</b>	Reportable quantities - Refer to Section 15.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid conditions that generate airborne dust in handling, transfer and clean up. Product may form combustible dust-air mixtures. Keep away from heat, flame sparks and other ignition sources. Avoid emptying package in or near flammable vapors. Static charges may cause flash fire. Remove material from eyes, skin and clothing.
<b>Storage</b>	Dry storage Avoid storing near incompatible materials (Refer to Section 10).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

Dust: OSHA has not established specific exposure limits for this material. However, OSHA has established limits for particulates not otherwise regulated (PNOR) which are the least stringent exposure limits applicable to dusts.

### Engineering Controls

Ventilation: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits in this section. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

### Personal Protective Equipment

#### Respiratory Protection

Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposures exceeds established guidelines. Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer.

#### Hand Protection

Gloves are recommended if extended exposure is anticipated.

#### Eye Protection

This product does not cause significant eye irritation or eye toxicity requiring special protection. Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.

#### Skin and Body Protection

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	dark brown to black
Physical State	powder
Odor	slight hydrocarbon odor
pH	Approximately neutral (as 1% solution)
Flash point	Not applicable
Density	Bulk density Bulk density: 40 lb/ft <sup>3</sup>
Water solubility	Not soluble

**NOTE:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

## 10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Avoid dust formation
Materials to Avoid	Strong oxidizing agents, acids

## 10. STABILITY AND REACTIVITY

**Hazardous Decomposition Products** Thermal decomposition products:  
carbon monoxide  
carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

### General

The dry powder may cause foreign body irritation in some individuals. Prolonged contact with the dry powder may cause drying or chapping of the skin. Excessive inhalation of dust may be annoying and can mechanically impede respiration. Due to the hygroscopic properties, they can form a paste or gel in the airway.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Microtox Toxicity: Photobacterium phosphoreum: Non-toxic.

**Gilsonite resin**  
**96-Hour LC50** Mysid shrimp in a standard drilling mud: >1,000,000 suspended particulate phase

**Persistence / Degradability** Components of this product are biodegradable.

**Bioaccumulative Potential** Inert material

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose in accordance with local, state and national regulations.

## 14. TRANSPORT INFORMATION

**General Information** The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

**D.O.T. Hazard Classification** Non-hazardous material

**TDG** Not hazardous

**IMO / IMDG** Not hazardous

**ICAO / IATA** Not hazardous

**RID/ADR** Not hazardous

## 15. REGULATORY INFORMATION

### International Inventories

Component(s) of the product are on the following Inventory lists:

- TSCA
- Canada (DSL)
- EINECS: All components of this product are included on the inventory

### USA

#### Federal Regulations

SARA Sections 302/304 313; CERCLA RQ:

Note: If no components are listed below, this product is not subject to these referenced SARA and CERCLA regulations.

#### State Regulations

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

This product is not known to contain a chemical at a level that is expected to pose significant risk under anticipated use conditions.

### Canada

#### **WHMIS**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Not a controlled product

## 16. OTHER INFORMATION

#### **Prepared By**

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#### **Reason for Version**

Revised in entirety

**16. OTHER INFORMATION**

**Disclaimer**

The information contained in this Safety Data Sheet to the best of CP Keico's knowledge and belief as of the date indicated is believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of this information or the use of the product. Nothing contained herein should be construed as a recommendation to use this product in conflict with National or local regulations or existing patents covering any material or its use.

**END OF SAFETY DATA SHEET**