



# MATERIAL SAFETY DATA SHEET

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## OIL GEL 3000

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** OIL GEL 3000  
**Chemical Family:** Organophilic clay  
**WHMIS Classification:** D2A  
**Workplace Hazard:** Long-term inhalation may cause cancer; may form flammable or explosive dust clouds

**Product Use:** Invert viscosifier  
**TDG Classification:** Not regulated  
**Packaging Group:** Not applicable  
**PIN:** Not applicable

### SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
Quartz; crystalline silica	1-5	14808-60-7	Not available	Not available

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** Mechanical irritant to the eyes. No effects expected if ingested or if becomes in contact with the skin. May cause irritation to the upper respiratory tract.

**Effects of chronic exposure:** Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.

**Exposure limits:** Quartz; crystalline silica: 0.025 mg/m<sup>3</sup>

**Irritancy of product:** Mechanical irritant to the eyes. No effects expected if ingested or if becomes in contact with the skin. May cause irritation to the upper respiratory tract.

**Sensitization to product:** Not applicable

**Carcinogenicity:** This product is not listed by ACGIH, IARC, NTP or OSHA. Crystalline silica, when inhaled from occupational sources, is considered as a human carcinogen by IARC (Class 1) and by NTP. ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

**Reproductive toxicity:** No information available. No adverse reproductive effects are anticipated.

**Teratogenicity:** No information available. No adverse reproductive effects are anticipated.

**Mutagenicity:** Crystalline silica has been shown to cause mutagenic effects in human cells in-vitro.

**Name of toxicological synergistic products:** None known.



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## SECTION IV: FIRST AID MEASURES

**Skin contact:** Wash with soap and water. If irritation persists, or develops, seek medical attention.

**Eye contact:** Flush with gently flowing warm water until particles are removed and irritation ceases. If irritation persists, contact a physician.

**Inhalation:** Move to area free from dust. If breathing difficulties continue, obtain medical attention. Inhalation may aggravate existing respiratory illness.

**Ingestion:** If large amounts ingested, obtain medical attention.

## SECTION V: PHYSICAL DATA

**Physical state:** Solid.

**Appearance and odour:** Pale grey to buff powder; no odour.

**Odour threshold:** Not applicable

**Specific gravity (°C):** Not available

**Vapor pressure (mmHG):** Not available

**Vapor density (Air=1):** Not available

**Evaporation rate:** Not available

**Boiling point (°C):** Not available

**Freeze/Melting point (°C):** Not available

**pH:** Not available

**Co-efficient of water/oil distribution:** Insoluble



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## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** Normal precautions on organic dusts should be provided. Avoid air concentrations above the lower explosive limit. Avoid dust contact with sources of ignition.

**Means of extinguishing:** Use media suitable for surrounding materials and packaging. Self-contained breathing apparatus required for fire fighting personnel.

**Flash point:** Does not flash (organic dust)

**Upper flammable limit:** No upper limit

**Lower flammable limit:** 73.6 g/m<sup>3</sup>

**Auto-ignition temperature:** Not available

**Hazardous combustion products:** Not applicable

**Explosion data-sensitivity to mechanical impact:** Not applicable

**Explosion data-sensitivity to static discharge:** Not applicable

## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable.

**Product incompatible with:** Avoid ignition sources

**Conditions of reactivity:** None known

**Hazardous decomposition products:** Possible traces of carbon dioxide and ammonia.



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## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** NIOSH approved dust masks or respirators for silica bearing dust. Safety glasses or goggles recommended.

**Specific engineering controls:** Use local exhaust ventilation, process enclosure or other engineering controls to maintain PEL's/TLV's

**Procedures for leak/spills:** Use appropriate safety equipment. Avoid breathing dust; wear an approved respirator. Vacuum up, if possible, to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Do not flush with water; becomes slippery when wet.

**Waste disposal:** 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. May be disposed of as an inert solid in a sanitary landfill in some locations.

**Handling procedures and equipment:** Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Avoid eye contact. Slippery when wet.

**Storage requirements:** Store in cool, dry area. Empty packages contain residual hazardous material and should be handled as if full.

**Special shipping information:** Not applicable

## SECTION IX: PREPARATION

**Date updated:** March 2, 2010

**Prepared by:** Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.