

GEO DRILLING FLUIDS  
P.O. BOX 1478  
BAKERSFIELD, CA 93302  
(661) 325-5919

Effective Date: 08-08-2007

Material Safety Data Sheet

MSDS No: 14689

**SECTION 1. PRODUCT IDENTIFICATION**

Trade Name: OMNIPOL II

Chemical Family: Acrylic polymer in an aqueous solution.

Health	0
Flammability	0
Reactivity	0
Protective Equipment	X

HMIS RATING

**SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
	9003-04-7	SODIUM POLYACRYLATE	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed

**SECTION 3. HAZARDS IDENTIFICATION**

**Emergency Overview:**

**Description:** Clear to pale yellow liquid. Odorless, or with a slight mild odor.

**Statement of Hazards:** NA (not a health hazard as defined by OSHA)

**Precautionary Measures:** Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Avoid prolonged or repeated inhalation of dust or skin contact. Slip hazard when wet.

Primary Route(s) of Entry: Not Applicable.

GEO DRILLING FLUIDS

OMNIPOL II

**Signs and Symptoms of Exposure:** Eye contact may produce slight irritation and/or redness.

**Carcinogenicity:** Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH

**Medical Conditions Aggravated by Exposure:** None known.

**Target Organ(s):** Not Applicable.

**SECTION 4. FIRST AID MEASURES**

**Ingestion:** Give large quantities of water and call a physician. Never give anything by mouth to an unconscious person.

**Skin:** Remove contaminated clothing and launder before reuse. Wash effected area with soap and water.

**Inhalation:** Remove to fresh air.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation continues.

**SECTION 5. FIRE FIGHTING MEASURES**

**Flash Point:** Not Applicable  
**Autoignition:** Not Evaluated

**Sensitivity to Mechanical Impact:** None

**Sensitivity to Static Discharge:** None

**Fire Fighting Extinguishing Media:** NA (will not burn). Use media appropriate for type of fire and combustibles in area.

**Fire Fighting Equipment:** Firefighters should wear normal protective equipment. SCBA is recommended for confined areas. Cool exposed drums or tanks with water.

**Fire and Explosion Hazards:** NA (No known unusual fire and explosion hazards.)

**Extinguishing Media to Avoid:** None.

**Hazardous Combustion Products:** Carbon monoxide and carbon dioxide.

**Combustibility:** Not combustible.

**Emergency Response Guidebook Information:** No ERG # indicated.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Remove all ignition sources. Dike area to control runoff, and collect spill in appropriate container(s). Use an inert absorbant such as vermiculite to collect residual liquid. Then water wash area to waste treatment to eliminate slip hazard.

**SECTION 7. HANDLING AND STORAGE**

GEO DRILLING FLUIDS

OMNIPOL II

**Other Handling Information:** Avoid high temperatures and open systems to minimize vapor release and exposures. Keep containers closed and properly labelled. Do not reuse containers before contents are completely removed, and the container is properly cleaned and reconditioned. (Refer also to Section VII) Good personal hygiene practices can reduce potential exposure. Wash with soap and water following any contact with this product, as well as before breaks and meals. Shower and change clothing at end of work shift. If clothing becomes contaminated, remove and launder or dry-clean before reuse.

**Storage Information:** Avoid extremes of temperature. Do not freeze. If product freezes, warm slowly. If separation occurs, remix with low shear mixing.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skin Protection:** Chemical resistant gloves.

**Respiratory Protection:** Use NIOSH approved respirator for organic vapor and/or mist, as required to control exposure.

**Eye Protection:** Full sideshield safety glasses or goggles (ANSI Z87.1 standard).

**Engineering Controls:** Recommended general ventilation rate of, as a minimum, 10 air changes per hour.

**Exposure Guidelines:** No exposure guidelines established.

**Additional Information:** Provide eyewash station(s). Select additional protective equipment (eg apron, face shield, etc.), depending on conditions of use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form:</b>	Clear solution
<b>Color:</b>	Clear to light yellow
<b>Odor:</b>	Slight Mild
<b>Odor Threshold:</b>	Not applicable
<b>Physical State:</b>	Liquid
<b>Solubility in Water:</b>	Soluble
<b>Vapor Pressure:</b>	As Water
<b>Specific Gravity:</b>	1.27
<b>Boiling Point:</b>	90 - 100° C (194 - 212 ° F)
<b>Melting Point:</b>	Not Applicable
<b>Freezing Point:</b>	Not Evaluated
<b>Decomposition Temperature:</b>	Not Evaluated
<b>Evaporation Rate:</b>	Not Evaluated
<b>Vapor Density:</b>	Not Evaluated
<b>VOC:</b>	~ 1.1 EPA Method 24.
<b>pH:</b>	~ 7.25
<b>Coefficient of water/oil:</b>	Not Evaluated
<b>Percent Volatile:</b>	
~ 60 % as water	

**SECTION 10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Avoid temperature extremes.

GEO DRILLING FLUIDS

OMNIPOL II

**Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Oxides of carbon (Carbon monoxide, Carbon dioxide).

**Incompatibility:** Strong oxidants.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute Oral Toxicity:**

Low oral toxicity. By analogy to similar materials, the acute LD50 (rat) is expected to be > 5000 mg/kg.

**Acute Dermal Toxicity:**

Non-irritant.

**Carcinogenicity:**

Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

**Reproductive Toxicity:**

No data for product. No effects anticipated.

**Teratogenicity:**

No data for product. No effects anticipated.

**Mutagenicity:**

No data for product. No effects anticipated.

**Eye Irritation:**

9003-04-7 SODIUM POLYACRYLATE  
Moderate (Rabbit).

**Sub-Chronic:**

9003-04-7 SODIUM POLYACRYLATE  
Inflammation of the lungs in rats exposed to 10 mg/m<sup>3</sup> for 28 days.

**Toxicologically Synergistic Products:**

None known.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecological Information:**

Product not considered toxic to aquatic organisms.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**RCRA Hazard Class:** This product, when unadulterated, is not a RCRA regulated hazardous waste.

**Waste Disposal Method:** Disposal must be arranged in accordance with local, state and federal regulations. Care must be taken to prevent environmental contamination from the disposal of material, residues and containers.

GEO DRILLING FLUIDS

OMNIPOL II

**SECTION 14. TRANSPORT INFORMATION**

**DOT:**

**Proper Shipping Name:**

NOT A DOT/IMO HAZARDOUS MATERIAL

**SECTION 15. REGULATORY INFORMATION**

**US Federal Regulations:**

**Chemical Weapons Convention (CWC):** This product does not contain any chemicals listed under the Chemical Weapons Convention Schedules of Chemicals.

**Clean Air Act -Hazardous Air Pollutants (HAP):** The following chemical(s) are listed as hazardous air pollutants (HAP) under the U.S. Clean Air Act Section 12 (40 CFR 61):

Chemical Name: ACRYLIC ACID  
CASRN: 79-10-7  
Percent in Composition: < 0.5 % by wt

**Clean Air Act - Ozone Depleting Substances (ODS):** This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

**Clean Water Act - Priority Pollutants (PP):** This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

**Occupational Safety and Health Act (OSHA):** This product is not considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Resource Conservation and Recovery Act (RCRA):** This product is not considered to be a P or U listed hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 302 - Extremely Hazardous Substances (EHS):** This product does not contain any chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

**SARA Title III: Section 304 - CERCLA:** This product contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA" List):

Chemical Name: ACRYLIC ACID  
CASRN: 79-10-7  
Percent in Composition: < 0.5 % by wt  
Component RQ: 5000

**SARA Title III: Section 311/312 - Hazard Communication Standard (HCS):** This product is not regulated under Section 311-312 (40 CFR 370).

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

GEO DRILLING FLUIDS

---

OMNIPOL II

---

**TSCA Section 5(e) - Consent Order / SNUR:** This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).

**TSCA Section 8(b) - Inventory Status:** All chemical(s) comprising this product are either exempt or listed on the TSCA inventory.

**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

**State Regulations:**

**California Proposition 65:** This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

**Massachusetts Right-to-Know:** The following is required composition information:

Chemical Name: ISOPROPANOL (2-PROPANOL)  
CASRN: 67-63-0  
Percent in Composition: < 0.5 % by wt

Chemical Name: ACRYLIC ACID  
CASRN: 79-10-7  
Percent in Composition: < 0.5 % by wt

**New Jersey Right-to-Know:** The following is required composition information:

Chemical Name: Water  
CASRN: 7732-18-5

Chemical Name: SODIUM POLYACRYLATE  
CASRN: 9003-04-7

**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Water  
CASRN: 7732-18-5  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: SODIUM POLYACRYLATE  
CASRN: 9003-04-7  
Comment: Not on Pennsylvania Hazardous Substance List

---

**SECTION 16. OTHER INFORMATION**

---

**MSDS No:** 14689

**Prepared By:**

**Supersedes Date:** 04/24/03

**Sections Modified:** Section 15.

GEO DRILLING FLUIDS

---

OMNIPOL II

---

**TSCA Status:** Y--import, manufacture, sell without restriction

**Disclaimer:** The following supercedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.