



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name XX-POLY
Version # 03
Revision date 09-February-2009
Chemical description Copolymer of sodium acrylate and acrylamide in mineral oil
CAS # Mixture
Manufacturer CETCO
Construction Drilling Products
2870 Forbs Avenue
Hoffman Estates, IL 60192 US
safetydata@amcol.com
<http://www.constructiondrilling.com/>
General Information (800) 527-9948
CHEMTREC® (800) 424-9300

2. Hazards Identification

Emergency overview Material can be slippery when wet

Potential health effects

Eyes Contact with eyes may cause irritation. Symptoms include itching, burning, redness and tearing.
Skin Contact may irritate or burn skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Inhalation Exposure to oil mist/fume/vapor may cause respiratory tract irritation.
Ingestion May be harmful if swallowed. Aspiration into lungs may cause chemical pneumonia and lung damage.

Health effects of additional components

2-PROPENOIC ACID, SODIUM SALT, POLYMER WITH 2-PROPENAMIDE Emergency overview: Harmful by inhalation, in contact with skin and if swallowed. Highly flammable.

Potential health effects - Routes of exposure: Inhalation. Skin contact. Ingestion.
Potential health effects - Eyes: Harmful in contact with eyes.
Potential health effects - Skin: Harmful in contact with skin.
Potential health effects - Inhalation: Harmful if inhaled.
Potential health effects - Ingestion: Harmful if swallowed.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact Wash affected area with mild soap and water. Remove and isolate contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Inhalation If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Ingestion If swallowed, do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Get medical attention immediately.

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam.

Protection of firefighters

Protective equipment and precautions for firefighters Material can be slippery when wet.

6. Accidental Release Measures

Personal precautions Material can be slippery when wet. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for containment Stop leak if you can do so without risk. Dike the spilled material, where this is possible.

Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Forms smooth, slippery surfaces on floors, posing an accident risk.

7. Handling and Storage

Handling Do not get this material in your eyes, on your skin, or on your clothing. Forms smooth, slippery surfaces on floors, posing an accident risk.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature in the original container.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Constituents	Type	Value	Form
Acrylamide (79-06-1)	TWA	0.03 mg/m ³	Inhalable fraction and vapor.

U.S. - OSHA

Constituents	Type	Value
Acrylamide (79-06-1)	PEL	0.3 mg/m ³
	TWA	0.03 mg/m ³

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection Wear chemical goggles and face shield.

Skin protection Use impervious gloves. Normal work clothing (long sleeved shirts and long pants) is recommended. Wear oil-impervious garments if contact is unavoidable.

Respiratory protection No personal respiratory protective equipment normally required. If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Eye wash fountain and emergency showers are recommended.

9. Physical & Chemical Properties

Appearance Viscous.

Color White.

Odor Petroleum

Odor threshold Not available.

Physical state Liquid.

Form Liquid.

pH	7.5
Melting point	Not available.
Freezing point	Not available.
Boiling point	> 212 °F (> 100 °C)
Flash point	> 200 °F (> 93.3 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.1
Relative density	Not available.
Solubility (water)	Limited by viscosity
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Extremes of temperature and direct sunlight. Do not freeze.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Product

XX-POLY (Mixture)

Test Results

Acute Dermal LD50 Rabbit: 5467 mg/kg
Acute Inhalation LC50 Rat: 6.2286 mg/l/4h

* Estimates for product may be based on additional component data not shown.

Sensitization

US ACGIH Threshold Limit Values: Skin designation

Acrylamide (79-06-1) Can be absorbed through the skin.

Acute effects

Acute LD50: 5467 mg/kg, Rabbit, Dermal
Acute LC50: 6.23 mg/l/4h, Rat, Inhalation

Carcinogenicity

Suspect cancer hazard. This product contains trace levels (<0.1%) of a potential carcinogen.

IARC Monographs on Occupational Exposures to Chemical Agents: Overall evaluation

Acrylamide (79-06-1) 2A Probable carcinogen.

US ACGIH Threshold Limit Values: A3 carcinogen

Acrylamide (79-06-1) Group A3 Confirmed animal carcinogen with unknown relevance to humans.

US NTP Report on Carcinogens: Anticipated carcinogen

Acrylamide (79-06-1) Anticipated carcinogen.

12. Ecological Information

Environmental effects

Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.

Persistence and degradability Not available.

13. Disposal Considerations

Waste codes

US RCRA Hazardous Waste U List: Reference

Acrylamide (79-06-1) U007

Disposal instructions Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity

Acrylamide (79-06-1) 5000 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold planning quantity, lower value

Acrylamide (79-06-1) 1000 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold planning quantity, upper value

Acrylamide (79-06-1) 10000 LBS

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Acrylamide (79-06-1) 0.1 %

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Acrylamide (79-06-1) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Acrylamide (79-06-1) Listed: January 1, 1990 Carcinogenic.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Acrylamide (79-06-1) 500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Acrylamide (79-06-1) Listed.

16. Other Information**HMIS ratings**

HEALTH		/	1
FLAMMABILITY			1
PHYSICAL HAZARD			0
PERSONAL PROTECTION			

NFPA ratings

Health: 1
 Flammability: 1
 Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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Other information

CETCO is an AMCOL International company.