

# Poly EXL

## KB International LLP

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Poly EXL	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0



### **For Emergencies Assistance Call:**

**USA:** Chemtel, Inc. day or night at 1 800-255-3924

**International:** Chemtel, Inc. day or night at +1 813-248-0585. Call collect if necessary. The bilingual operator can then assist in identifying the language of the caller in they do not speak English so Chemtel can conference the call to their on-line translation service for proper interpretation.

## 1. MATERIAL IDENTIFICATION

**Product Name:** Poly EXL

**Use:** Increases Efficiency of Excavation Fluid in More Challenging Conditions

**Formula:**

Vinyl Polymer - Trade Secret  
Urea  
Water

**CAS Reg. No.:**

Proprietary  
57-13-6  
7732-18-5

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is not a health hazard according to the OSHA Hazard Communication Standard 29CFR1910.1200. If this product is used in a manner that could generate particulates (dust), refer to MSDS Section 8, "Recommended Exposure Limits and Personal Protective Equipment". Not listed as a carcinogen by IARC, NTP, OSHA.

## 3. PHYSICAL DATA

<b>Appearance:</b>	granular powder
<b>Color:</b>	white to off-white
<b>State of Matter:</b>	solid
<b>Oder:</b>	odorless
<b>Specific Gravity:</b>	1.59
<b>Percent Volatile:</b>	negligible at 20 C
<b>Solubility In Water:</b>	limited by viscosity
<b>Browning Temperature:</b>	440 F
<b>Moisture Content, (Wt.):%</b>	8.0 max. (as packed)

## 4. STABILITY & REACTIVITY DATA

<b>Hazardous Decomposition Products:</b>	None known
<b>Hazardous Polymerization:</b>	Not anticipated under normal or recommended handling and storage conditions.
<b>General Stability Considerations:</b>	Stable under recommended handling and storage conditions.
<b>Incompatible Materials:</b>	None known



## 5. FIRE & EXPLOSION DATA

Flash Point:	Not flammable
Auto Ignition Temperature:	NA
Flammable Limits in Air % by Volume:	NA
Unusual Fire and Explosion Hazards:	None known

## 6. FIRE FIGHTING MEASURES

Extinguishing Media:	Carbon dioxide, dry chemical or foam
Extinguishing Media to Avoid:	If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist
Special Fire Fighting Precautions:	Wear self-contained breathing apparatus and chemical protective gear when fighting fires involving this product.
Conditions to Avoid:	Organic powders may be capable of generating static discharges and creating explosive mixtures in air. Handle with caution., Refer to MSDS Section 11 <b>Storage &amp; Handling</b>
Hazards during Fire Fighting:	Standard procedures for chemical fires. The product is slippery when wet.
Hazardous Combustion Products:	Carbon and nitrogen oxides.
Auto Ignition Temperature:	> 698 F

## 7. HEALTH & HAZARD INFORMATION

Inhalation:	May cause mild eye and skin irritation based on a component of this product.
Ingestion:	May irritate gastrointestinal tract. This product is not listed as a carcinogen IARC, NTP, OSHA
Skin:	May cause irritation, especially after prolonged or repeated contact.
Eyes:	Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.
Unusual Chronic Toxicity:	None known

## 8. FIRST AID MEASURES

Inhalation:	Remove to fresh air. Apply mouth-to-mouth artificial respiration if not breathing. If breathing is difficult, give oxygen and get immediate medical attention.
Skin:	After contact with skin wash immediately with plenty of soap and water. Get medical attention if irritation occurs. If clothing is contaminated, remove and launder before reuse.
Eyes:	Immediately flush with water, continuing for 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce risk of aspiration. Seek medical attention immediately.

## 9. EXPOSURE CONTROLS & PERSONAL PROTECTION EQUIPMENT

Engineering Controls:	Work in well ventilated areas. Do not breathe dust. Ensure good ventilation and local exhaust.
Respiratory Protection:	Wear NIOSH approved respirator when necessary.
Eye & Face Protection:	Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.
Hands, Arms, & Body:	Wear chemical resistant gloves and protective clothing.
Other Clothing & Equipment:	Eye wash and quick drench shower.
General Health & Hygiene:	There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

## 10. ACCIDENTAL RELEASE MEASURES

Material and its solutions are extremely slippery. Dike and absorb spill with inert material such as sand, vermiculite, or dirt. Sweep up or shovel into drums for disposal. Avoid raising dust. Wear suitable protective equipment. Should not be released into the environment. Spills are very slippery. Water may be used to complete cleaning.

## 11. HANDLING & STORAGE

<b>General Advise:</b>	As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.
<b>Protect Against -</b>	
<b>Fire &amp; Explosion:</b>	Avoid creating dusty conditions. Risk of explosion if an air-dust mixture forms.
<b>Storage:</b>	Keep container tightly closed in a dry, cool and well-ventilated place.

## 12. ENVIRONMENTAL

<b>Hazardous Decomposition Products:</b>	None known
<b>Hazardous Polymerization:</b>	Not anticipated under normal or recommended handling and storage conditions.
<b>General Stability Considerations:</b>	Stable under recommended handling and storage conditions.
<b>Incompatible Materials:</b>	None known

## 13. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity:</b>	LD50 / oral / rat: > 2,000 mg/kg
<b>Acute Inhalation Toxicity:</b>	Not determined
<b>Acute dermal Toxicity:</b>	Not tested
<b>Skin Irritation:</b>	Not determined
<b>Skin Sensitization:</b>	Not determined
<b>Chronic Toxicity:</b>	Not determined
<b>Subacute Toxicity:</b>	Not determined
<b>Subchronic Toxicity:</b>	Not determined
<b>Genetic Toxicity:</b>	Not expected to be mutagenic
<b>Carcinogenicity:</b>	None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.
<b>Reproductive Toxicity:</b>	No data for product. No effects anticipated
<b>Developmental Toxicity / teratogenicity:</b>	No data for product. No effects anticipated

## 14. ECOLOGICAL INFORMATION

<b>Toxicity Fish:</b>	Brachydanio rerio/96 h/LC50: 357 mg/l (OECD 203; ISO 7346; 92/69/EEC, C.1) Brachydanio rerio/96 h(OECD 203; ISO 7346; 92/69/EEC, C.1) From tests on a product range LC50 (under static conditions in the presence of humic acid) Pimephales promelas Menidia beryllina Oncorhynchus mykiss
<b>Toxicity to Aquatic Invertebrates:</b>	Daphnia magna/48 h (OECD 202/EC C.2) From tests on a product range Daphnia magna/48 h/EC50: 212 mg/l (OECD 202/EC C.2) Daphnia magna/LC50 calculated
<b>Toxicity to Aquatic Plants:</b>	Chlorella vulgaris/72 h (OECD 201/EC C. 3) From tests on a product range Chlorella vulgaris/72 h/EC50: > 1,000 mg/l (OECD 201/EC C. 3)
<b>Toxicity to Microorganisms:</b>	Pseudomonas putida/24 h/EC50: 892 mg/l Pseudomonas putida/24 h from tests on a product range
<b>Biodegradation:</b>	Not Tested
<b>Other Ecotoxicological Advice:</b>	Product not considered toxic to aquatic organisms.



## 15. DISPOSAL CONSIDERATIONS

**Waste Disposal of Substance:** Dispose of in accordance with national, state and local regulations.

**Resource Conservation & Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).

## 16. TRANSPORTATION INFORMATION

### U.S. Department of Transportation:

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

#### Road Transport:

**Special Shipping Information:** Not classified as a dangerous good under transport regulations.

#### Air Transport:

**Special Shipping Information:** Not classified as a dangerous good under transport regulations.

#### Inland-Waterway Transport:

**Special Shipping Information:** Not classified as a dangerous good under transport regulations.

## 17. REGULATORY INFORMATION

**U.S. Toxic Substance Control Act (TSCA):** All component(s) comprising this product are either exempt or listed on the TSCA inventory

**Canada: Domestic Substance List (DSL):** All components either exempt or listed on the DSL

### United States - Regulations

**SARA TITLE III – SECTIONS 302 AND 304:** This product is not an Extremely Hazardous Substance subject to reporting under 40CFR355.

### SARA TITLE III - SECTION 311 AND 312 Hazard Communication Standards:

Acute Health:	Y	Fire:	N
Chronic Health:	N	Reactivity:	N
		Sudden Release of Pressure:	N

**SARA TITLE III - SECTION 313:** This product does not contain any chemicals subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40CFR372.

### OSHA hazard category:

This material is classified as hazardous under OSHA regulations.

### Toxic Substances Control Act (TSCA) Significant New Use Rule (SNUR):

This product is not subject to a Significant New Use Rule (SNUR).

### Toxic Substances Control Act (TSCA) Section 5(e) Consent Orders:

This product is not subject to a Section 5(e) Consent Order.

### Toxic Substances Control Act (TSCA) Section 5(f):

This product is not subject to a Section 5(f)/6(a) rule.

### Toxic Substances Control Act (TSCA) Section 12(b) Export Notification:

No components listed.

### Clean Air Act - Hazardous Air Pollutants (HAP):

<u>Chemical name</u>	<u>CAS Number</u>	<u>Notification</u>
2-Propenamide	79-06-1	Listed

### Clean Air Act 111 - Volatile Organic Compounds (VOC):

<u>Chemical name</u>	<u>CAS Number</u>	<u>Notification</u>
Urea	57-13-6	Listed
2-Propenamide	79-06-1	Listed

### Clean Air Act 602 - 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).

## 17. REGULATORY INFORMATION - Continued

### Pennsylvania Right to Know:

<u>Chemical name</u>	<u>CAS Number</u>	<u>Notification</u>
2-Propenamide	79-06-1	Environmental Hazard
2-Propenamide	79-06-1	Listed

### California Proposition 65 - Chemicals Known to the State to Cause Cancer:

<u>Chemical name</u>	<u>CAS Number</u>	<u>Notification</u>
2-Propenamide	79-06-1	Carcinogenic

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

### California Proposition 65 - Chemicals Known to the State to Cause Reproductive Toxicity:

No components listed.

### International Regulations

#### Chemical Weapons Convention:

This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

## 18. OTHER INFORMATION

### DISCLAIMER

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

### LIST OF ACRONYMS

<b>ACGIH:</b>	American Conferences of Governmental Industrial Hygienists
<b>AIHA WEEL:</b>	American Industrial Hygienists Association - Workplace Environmental Exposure Level
<b>CASRN:</b>	Chemical Abstracts Service Registry Number
<b>CERCLA:</b>	Comprehensive Emergency Response, Compensation and Liability Act
<b>HMIS:</b>	Hazardous Materials Identification System
<b>IARC:</b>	International Agency for Research on Cancer
<b>NTP:</b>	National Toxicology Program
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>PEL:</b>	OSHA Permissible Exposure Limit
<b>RCRA:</b>	Resource Conservation and Recovery Act
<b>RQ:</b>	Reportable Quantity
<b>SARA:</b>	Superfund Amendment Reauthorization Act
<b>STEL:</b>	Short-Term Exposure Limit
<b>TLV:</b>	Threshold Limit Values (registered trademark of ACGIH)
<b>TPQ:</b>	Threshold Planning Quantity
<b>TSCA:</b>	Toxic Substance Control Act
<b>TWA:</b>	Time Weighted Average