

## Section 1: Product and Company Identification

<b>Product code(s):</b>	F0233	<b>SDS No.</b>	F0233
<b>Product name:</b>	POLY DRILL DRY	<b>Creation date:</b>	05/23/2019
<b>Additional names:</b>	ECOSLICK PDR-L	<b>Revision date:</b>	07/30/2025
<b>Recommended uses:</b>	Gelling agent	<b>Revision:</b>	1
<b>Restricted uses:</b>	Consumer use		
<b>Producer/supplier:</b>	Economy Polymers & Chemicals 435 E. Anderson Road Houston, TX 77047 (713) 723-8416 sales@economypolymers.com	<b>Emergency contact:</b>  CHEMTREC	(703) 527-3887 (800) 424-9300
		<b>SDS created by:</b>	Economy EHS

## Section 2: Hazards Identification

<b>Health hazards (29 CFR 1910.1200, Appendix A)</b>	Serious Eye Damage/Eye Irritation, Category 2B (mild irritant)
<b>Physical hazards (29 CFR 1910.1200, Appendix B)</b>	Combustible dust
<b>Environmental hazards</b>	No known harmful aquatic effects

**Signal Word:** **WARNING**

**Pictogram(s):**



## GHS Hazard Statement(s)

H320: Causes eye irritation

Note: Even if no official GHS hazard statements are listed, please review Section 16 for “additional hazards not otherwise classified.”

## GHS Precautionary Statement(s)

### Prevention

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

### Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Storage

P402: Store in a dry place.

## Section 3: Composition

<u>CASRN</u>	<u>Hazardous Components</u>	<u>Concentration (% / wt.)</u>
25987-30-8	Anionic polyacrylamide	≥ 99%

Note: Only the hazardous constituent components greater than 1.0% by weight (0.1% for carcinogens) are listed above.

## Section 4: First Aid Measures

<b>In case of inhalation:</b>	<ul style="list-style-type: none"> <li>• Move the exposed person to fresh air at once.</li> <li>• Seek medical attention at once if respiratory irritation develops or if breathing becomes difficult.</li> <li>• If breathing stops, provide CPR; call 9-1-1.</li> </ul>
<b>In case of skin contact:</b>	<ul style="list-style-type: none"> <li>• Wash off immediately with soap and plenty of water.</li> <li>• Remove contaminated clothing (wash before reuse).</li> <li>• Avoid allowing the spread of the material to unaffected skin.</li> <li>• Get medical attention if irritation or rash develops.</li> </ul>
<b>In case of eye contact:</b>	<ul style="list-style-type: none"> <li>• Remove contact lenses, if applicable.</li> <li>• Do not rub eyes.</li> <li>• Use suitable eyewash solutions. Preferably an eyewash station capable of delivering a 15-minute continuous flush.</li> <li>• Seek immediate medical attention.</li> </ul>
<b>In case of ingestion:</b>	<ul style="list-style-type: none"> <li>• Give plenty of water.</li> <li>• Do NOT induce vomiting without medical advice.</li> <li>• If vomiting occurs spontaneously, properly position the individual to mitigate risks of aspiration.</li> <li>• Immediately seek medical treatment.</li> <li>• Never give anything by mouth to an individual who has lost consciousness</li> </ul>
<b>Signs and symptoms of exposure:</b>	<ul style="list-style-type: none"> <li>• See Section 11 of this SDS.</li> </ul>
<b>Note to physician:</b>	<ul style="list-style-type: none"> <li>• SDS is immediately available.</li> </ul>
<b>Additional notes:</b>	<ul style="list-style-type: none"> <li>• The severity of the symptoms described will vary dependent on the concentration and the length of exposure. If adverse symptoms develop, the individual should be transferred to hospital as soon as possible.</li> </ul>

## Section 5: Fire Fighting Measures

<b>Suitable extinguishing media:</b>	Water spray	Dry chemical powder
	Alcohol-resistant foam	Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media and/or method:</b>	If water is used, do not use a solid water stream as it may scatter and spread fire.	
<b>Specific and/or unusual hazards:</b>	Product is not considered flammable, but may burn at high temperatures	
<b>Special protective equipment and precautions for firefighters:</b>	<ul style="list-style-type: none"> <li>Wear full-protective clothing, including positive pressure NIOSH-certified SCUBA, as appropriate</li> <li>Containers in and near the fire should be immediately cooled with water or removed, if safe to do so.</li> <li>Hydrated dusts can become extremely slippery</li> </ul>	
<b>Fire-fighting equipment and/or special instructions/advice:</b>	<ul style="list-style-type: none"> <li>Do not allow contaminated extinguisher media, including water, to enter storm drains or other routes leading to bodies of water.</li> </ul>	
<b>Hazardous combustion by-products</b>	<ul style="list-style-type: none"> <li>Primarily CO<sub>x</sub> and NO<sub>x</sub></li> </ul>	

## Section 6: Accidental Release Measures

<b>Personal precautions, PPE, and emergency procedures:</b>	<ul style="list-style-type: none"> <li>Handle in accordance with good industrial hygiene and safety practices.</li> <li>Wear appropriate personal protective equipment (PPE), see Section 8. Do not handle spilled material without adequate PPE.</li> <li>Ensure adequate ventilation when using this material.</li> <li>Be aware of hazardous by-products released after ignition or excessive heating.</li> </ul>
<b>Methods and materials for containment and clean-up:</b>	<ul style="list-style-type: none"> <li>Use appropriate containment berms to prevent entering storm drains, sewers, retention ponds, and other routes to outside waterways. Notify local/State authorities if this occurs.</li> </ul>
<b>Environmental precautions:</b>	<ul style="list-style-type: none"> <li>Do not allow spills, including water run-off from fire-fighting or spill clean-up, to fall into storm drains, sewers, or otherwise reaching outside waterways. Use containment or barriers as necessary.</li> <li>Use appropriate packaging for waste collection.</li> <li>Properly label the packaging and dispose of contaminated wash water and any other clean-up media in accordance with local, state, and federal regulations.</li> <li>Document and retain all release information for purposes of reporting, if applicable.</li> </ul>

## Section 7: Handling and Storage

<b>Precautions for safe handling:</b>	<ul style="list-style-type: none"> <li>• Wear appropriate PPE. See Section 8 for required/recommended PPE.</li> <li>• Avoid contact with eyes.</li> <li>• Wash hands and skin thoroughly after handling this product.</li> <li>• Have fire extinguishing device(s) nearby when handling.</li> <li>• Use only in well-ventilated environments.</li> <li>• Wet spilled contents prior to clean-up to avoid dust generation.</li> </ul>
<b>Conditions for safe storage:</b>	<ul style="list-style-type: none"> <li>• Store and handle in accordance with current regulations and standards.</li> <li>• Protect from static discharges, excessive heat, or open flame.</li> <li>• Protect from physical damage to container/packaging.</li> <li>• Maintain good housekeeping. Clean-up spilled contents; wet before clean-up.</li> <li>• Have fire extinguishing device(s) in storage area.</li> </ul>

## Section 8: Exposure Controls & Personal Protection

### Occupational exposure limits

<u>Component(s)</u>	<u>Authority</u>	<u>Type</u>	<u>Value</u>
Anionic polyacrylamide (25987-30-8)	OSHA PEL 8-hour TWA	PEL-TWA	Not listed
		PEL-STEL	Not listed
		PEL-C	Not listed
		Skin designation	Not listed
	NIOSH REL 10-hour TWA	REL-TWA	Not listed
		REL-STEL	Not listed
		REL-C	Not listed
		IDLH	Not listed
		Skin designation	Not listed
	ACGIH TLV 8-hour TWA	TLV-TWA	Not listed
		TLV-STEL	Not listed
		TLV-C	Not listed
		Skin designation	Not listed
	CAL/OSHA PEL 8-hour TWA	PEL-TWA	Not listed
		PEL-STEL	Not listed
		PEL-C	Not listed
Skin designation		Not listed	

Note: ACGIH and NIOSH information available: [Occupational Chemical Database | Occupational Safety and Health Administration \(osha.gov\)](#)

Additional information	
<b>Engineering controls:</b>	
<ul style="list-style-type: none"> <li>• Use in a well-ventilated area</li> <li>• Local exhaust ventilation should be used in areas without good cross-ventilation</li> <li>• Dusts should be controlled and prevented from accumulating, especially in confined areas or areas of limited ventilation</li> </ul>	
<b>PPE</b>	
<b>Respiratory:</b>	If engineering and administrative controls cannot keep exposure below occupational exposure limits, or if exposure is simply unknown, a NIOSH-certified respirator (organic vapor cartridge) should be used. Before donning the respirator, the user should have been properly fit-tested by a qualified entity.
<b>Hands:</b>	Chemical-resistant gloves
<b>Skin:</b>	Long sleeves; chemical apron
<b>Eyes</b>	Chemical goggles or safety glasses
<b>Additional Notes:</b>	Eyewash and shower stations should be nearby and easily accessible

## Section 9: Physical and Chemical Properties

Appearance	Method used/Remarks	
<b>Physical state:</b>	Powdered solid	
<b>Color:</b>	Tan, beige	
<b>Odor:</b>	Odorless to mild	
<b>Odor threshold:</b>	Not available	
<b>pH:</b>	6.0 - 8.0 (0.5% solution)	
<b>Freezing/melting point:</b>	Not applicable	
<b>Boiling point/range:</b>	Not applicable	
<b>Pour point:</b>	Not applicable	
<b>Flash point:</b>	Not available	
<b>Autoignition temperature:</b>	Not available	
<b>Decomposition temperature:</b>	Not available	
<b>Flammability (solid, gas):</b>	Not available	
<b>Explosive properties:</b>		
<b>Upper/lower flammability or explosive limits:</b>		
<b>Flammability limit – upper (%)</b>	Not explosive	
<b>Flammability limit – lower (%)</b>	Not explosive	

<b>Combustible dust:</b>	50 - 100 bar.m/s	(Kst = 1)
<b>Vapor pressure (mm/Hg):</b>	Not applicable	
<b>Vapor density (Air = 1):</b>	Not applicable	
<b>Evaporation rate (Butyl Acetate = 1):</b>	Not applicable	
<b>Specific gravity (Water = 1):</b>	Not applicable	
<b>Density:</b>	1.3 g/cm <sup>3</sup>	@ 20C (68F)
<b>Water solubility:</b>	Soluble	
<b>Viscosity (Dynamic):</b>	Not applicable	
<b>Viscosity (Kinematic):</b>	Not applicable	
<b>Partition coefficient (n/octanol/water):</b>	Not available	
<b>Surface tension:</b>	Not available	
<b>Particle size:</b>	Not available	

## Section 10: Stability and Reactivity

<b>Chemical stability/reactivity:</b>	<ul style="list-style-type: none"> <li>• Stable under recommended use and storage conditions</li> <li>• Suspended dusts in air can be explosive</li> </ul>
<b>Possibility of hazardous reactions:</b>	<ul style="list-style-type: none"> <li>• Hazardous polymerization is not expected to occur</li> </ul>
<b>Conditions to avoid:</b>	<ul style="list-style-type: none"> <li>• Direct sunlight</li> <li>• Extreme temperatures</li> <li>• Ignition sources (in areas of significant dust accumulation)</li> <li>• Protect from moisture</li> </ul>
<b>Incompatible materials:</b>	<ul style="list-style-type: none"> <li>• Strong oxidizers</li> <li>• Strong acids and bases</li> </ul>
<b>Hazardous decomposition products:</b>	<ul style="list-style-type: none"> <li>• Primarily CO<sub>x</sub> and NO<sub>x</sub></li> </ul>

## Section 11: Toxicological Information

### Information on likely routes of exposure

<b>Inhalation:</b>	<ul style="list-style-type: none"> <li>May cause some irritation to airway if directly inhaling – especially in higher doses. Signs/symptoms may include cough, shortness of breath, irritation to nasal passage. Use dust mask in areas of significant dust generation.</li> </ul>
<b>Skin/dermal contact (absorption):</b>	<ul style="list-style-type: none"> <li>Can cause skin irritation. Signs/symptoms may include localized redness and itching. Make affect users with sensitive skin more than others</li> </ul>
<b>Eye contact:</b>	<ul style="list-style-type: none"> <li>May cause mild eye irritation. Signs/symptoms may include redness and itching</li> </ul>
<b>Ingestion:</b>	<ul style="list-style-type: none"> <li>May be harmful if swallowed in high doses. May cause gastrointestinal irritation and other adverse effects. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea in high doses.</li> </ul>

### Information on toxicological effects

#### Acute inhalation toxicity

<u>Component</u>	<u>Dosage</u>	<u>Amount</u>	<u>Species</u>	<u>Duration</u>
Anionic polyacrylamide (25987-30-8)	LC50	Not available	Not available	Not available

#### Acute dermal toxicity

<u>Component</u>	<u>Dosage</u>	<u>Amount</u>	<u>Species</u>	<u>Duration</u>
Anionic polyacrylamide (25987-30-8)	LD50	> 5000 mg/kg	Rabbit	Not stated

#### Acute oral toxicity

<u>Component</u>	<u>Dosage</u>	<u>Amount</u>	<u>Species</u>	<u>Duration</u>
Anionic polyacrylamide (25987-30-8)	LD50	> 5000 mg/kg	Rat	Not stated

<b>Serious eye corrosion/irritation</b>
May cause mild eye irritation. More sensitive users may experience mild irritation with nuisance anionic polyacrylamide dust
<b>Serious skin corrosion/irritation</b>
No evidence of skin corrosion or irritation, but may mildly irritate sensitive skin
<b>Respiratory sensitization</b>
Product not classified as a respiratory sensitizer
<b>Skin sensitization</b>
Product not classified as a skin sensitizer

<b>Carcinogenicity:</b>						
Component	CASRN	IARC	ACGIH	OSHA	NTP	EPA
Anionic polyacrylamide	25987-30-8	x	x	x	x	x

"X" denotes "not a carcinogen," "not classifiable as a human carcinogen," or no information available

IARC – International Agency for Research on Cancer	1 2A 2B	Carcinogenic to humans Probably carcinogenic to humans Possibly carcinogenic to humans
ACGIH – American Conference of Governmental Industrial Hygienists	A1 A2 A3	Known human carcinogen Suspected human carcinogen Animal carcinogen
OSHA – Occupational Safety and Health Administration	1A 1B 2	Known to have carcinogenic potential for humans, based on human evidence Presumed to have carcinogenic potential for humans, based on animal evidence Suspected human carcinogen
NTP – National Toxicity Program	K RA	Known carcinogen Reasonably anticipated to be a human carcinogen
EPA	A B1 B2 C	Carcinogenic to humans Probably carcinogenic; evidence from animal testing, with limited human evidence Probably carcinogenic; evidence from animal testing, with no human evidence Possibly carcinogenic; limited animal testing evidence . . . no human evidence

**Based on individual component listings, this mixture is NOT a suspected carcinogen hazard**

<b>Reproductive toxicity:</b>	
<u>Component(s)</u>	<u>Evaluation</u>
Anionic polyacrylamide	Not classified

<b>Germ cell mutagenicity:</b>	
<u>Component(s)</u>	<u>Evaluation</u>
Anionic polyacrylamide	Not classified

Teratogenicity:	
<u>Component(s)</u>	<u>Evaluation</u>
Anionic polyacrylamide	Not classified

Specific target organ toxicity – Single exposure (STOT-SE):	
<u>Component(s)</u>	<u>Evaluation</u>
Anionic polyacrylamide	Not classified

Specific target organ toxicity – Repeated exposure (STOT-RE):	
<u>Component(s)</u>	<u>Evaluation</u>
Anionic polyacrylamide	Not classified

Additional hazards	
<u>Component(s)</u>	<u>Hazard(s)</u>
Anionic polyacrylamide	No additional hazards not already stated

Routes of entry	
<u>Component(s)</u>	<u>Entry</u>
Anionic polyacrylamide	Ingestion, inhalation, eye contact, dermal

## Section 12: Ecological Information

Ecotoxicity (fish)				
<u>Component(s)</u>	<u>Dosage</u>	<u>Amount</u>	<u>Species</u>	<u>Duration</u>
Anionic polyacrylamide	LC50	10 - 100 mg/l	Brachydanio rerio (zebra fish)	96-hours

Ecotoxicity (invertebrates)				
<u>Component(s)</u>	<u>Dosage</u>	<u>Amount</u>	<u>Species</u>	<u>Duration</u>
Anionic polyacrylamide	EC50	1 - 10 mg/l	Daphnia magna (water flea)	48-hours

Ecotoxicity (algae)				
Component(s)	Dosage	Amount	Species	Duration
Anionic polyacrylamide	EC50	1 - 10 mg/l	Desmodesmus subspicatus (green algae)	72-hours

Note: This product is NOT hazardous to aquatic life; however, large release could have a short-term effect on aquatic life.

Additional information	
<b>Component:</b> Anionic polyacrylamide	
<b>Biodegradability:</b>	Not applicable
<b>Bioaccumulative potential:</b>	Not expected to bioaccumulate
<b>Mobility in soil:</b>	As a solid, no mobility; gel form provides limited to no mobility
<b>Additional notes:</b>	<ul style="list-style-type: none"> <li>This preparation contains no substance considered to be persistent, bioaccumulating, nor toxic (PBT)</li> <li>This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)</li> </ul>

## Section 13: Disposal Considerations

<b>General:</b>	Dispose in accordance with applicable local, state, and federal regulations. Do not allow waste to drain into storm drains, sewers, or any other mechanism that would allow introducing into an offsite water way.	
<b>Hazardous waste:</b>	No	Follow RCRA guidance to determine if hazardous waste
<b>RCRA hazardous waste code(s):</b>	For a complete listing of RCRA hazardous waste codes, please refer to the RCRA Information page of the EPA, <a href="http://www.epa.gov">Waste Code (epa.gov)</a>	

## Section 14: Transport Information

Department of Transportation (DOT)	
<b>UN/NA number</b>	Not regulated for transport
<b>DOT proper shipping name</b>	-----
<b>Hazard class (Subsidiary group)</b>	-----
<b>Packing group</b>	-----
<b>Reportable Quantity (RQ)</b>	-----

Note: None

## Safety Data Sheet (SDS)

International Air Transport Administration (IATA) & International Civil Aviation Organization (ICAO)	
UN number	Not regulated for transport
DOT proper shipping name	-----
Hazard class (Subsidiary class)	-----
Packing group	-----

International Maritime Dangerous Goods (IMDG) & International Maritime Organization (IMO)	
UN number	Not regulated for transport
DOT proper shipping name	-----
Hazard class (Subsidiary group)	-----
Packing group	-----
Marine pollutant:	-----
EmS-No	-----

Note: Refer to the 49 CFR 172.101 Table for additional information related to packaging types, exceptions, and specific information related to airlines, air cargo, and sea freight requirements.

Note: Identification numbers beginning with NA refer to being a regulated DOMESTIC shipment only. This can include air and maritime in addition to highway. Consult the 49 CFR 172.101 table for specific shipping information. Shipments with identification numbers beginning with NA are not to be used for international shipments of any kind.

Note: Some carriers have additional requirements. Contact your carrier for any additional requirements not already stated in the 49 CFR 172.101 Table.

## Section 15: Regulatory Information

<b>US Federal Regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
<b>Toxic Substance Control Act (TSCA)</b>	The hazardous components listed in Section 3 of this SDS are active in the US EPA TSCA Inventory listing.	
<b>OSHA specifically regulated substances (29 CFR 1910.1001-1050)</b>	No	
<b>EPCRA SARA 302 (Extremely Hazardous Substances)</b>	No	
<b>SARA 311/312 (Tier I/II Reporting)</b>	Yes	
<b>SARA 313 (Toxic Release Inventory)</b>	No	Note: N/A
<b>Clean Air Act, Section 112 (Hazardous Air Pollutants)</b>	No	Note: N/A
<b>Clean Air Act, Section 112r (Risk Management Plan)</b>	No	

US State Regulations	
<b>California Proposition 65</b>	<p><b>WARNING:</b></p> <p>This product does not contain substances which are known to the State of California to cause cancer, birth defects or other reproductive harm.</p> <p>For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p>

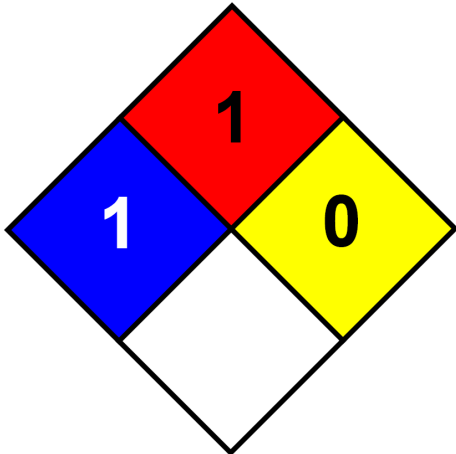
Chemical name	CASRN	California Proposition 65 Type of Toxicity
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Global inventory status											
	<u>AICS</u>	<u>DSL</u>	<u>NDSL</u>	<u>IECSC</u>	<u>EINECS</u>	<u>ENCS</u>	<u>KECL</u>	<u>NZIoC</u>	<u>PICCS</u>	<u>TCSI</u>	<u>TSCA</u>
25987-30-8	Listed	Listed	--	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

Note: As a mixture, this product will not be found on global inventory lists

Note: The information used to confirm the compliance status of this product may include additional components not listed in Section 3.

## Section 16: Other Information

<p><b>HMIS<sup>®</sup> 4<sup>th</sup> edition: NFPA 704:</b></p>	<table border="1" data-bbox="402 394 873 709"> <tr> <td style="background-color: #0070C0; color: white;"><b>HEALTH</b></td> <td style="text-align: center;"><b>1</b></td> </tr> <tr> <td style="background-color: #FF0000; color: white;"><b>FLAMMABILITY</b></td> <td style="text-align: center;"><b>1</b></td> </tr> <tr> <td style="background-color: #FFD700;"><b>PHYSICAL</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td><b>PPE Level</b></td> <td style="text-align: center;"><b>B</b></td> </tr> </table> <p>Note: Additional information related to PPE levels can be found in 29 CFR 1910.120, Appendix B</p> <p>Users of this product should follow the HMIS, 4<sup>th</sup> edition label (top left).</p>	<b>HEALTH</b>	<b>1</b>	<b>FLAMMABILITY</b>	<b>1</b>	<b>PHYSICAL</b>	<b>0</b>	<b>PPE Level</b>	<b>B</b>	
<b>HEALTH</b>	<b>1</b>									
<b>FLAMMABILITY</b>	<b>1</b>									
<b>PHYSICAL</b>	<b>0</b>									
<b>PPE Level</b>	<b>B</b>									
<p><b>Additional hazards, not otherwise classified (HNOC):</b></p>	<p>This substance, in high concentrations of dust – especially in confined areas or areas of minimal ventilation – can result in a dust explosion.</p>									
<p><b>Note to reader:</b></p>	<p>The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Economy Polymers &amp; Chemicals assumes no responsibility for personal or property damage to vendors, users, or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.</p> <p>This SDS was generated in accordance with the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 09/25/2015</p>									
<p><b>Revision date:</b></p>	<p>07/22/2025</p>									