Section 1: Product & Company Identification

Product Name: Poly Beads
Product Use: Drilling Fluid Additive/ Dry Drill Beads

Company Information:  
Plant Facility: CoilChem, LLC  
3928 Hwy 80  
Rayville, LA 71269  
(318) 728-6565

Corporate Office: CoilChem, LLC  
2103 East Ladd Rd  
Washington, OK 73093  
(405) 392-2505

Emergency Information: Contact Infotrac: 1-800-535-5053
S.D.S. Revision Date: January 8, 2015

Section 2: Hazards Identification

Emergency Overview: CAUTION! May cause skin and respiratory tract irritation. May cause central nervous system (CNS) effects. Contains a component that may cause cancer.

Canadian Classification: UN PIN No = Not Regulated  
WHMIS Class = D2A D2B

Physical State: Pellets  
Color: Various  
Odor: Mild

Potential Health Effects:

Eye Contact: May cause mechanical irritation

Skin Contact: May be irritating to the skin. Prolonged or repeated contact may cause defatting of the skin and/or dermatitis (inflammation).

Inhalation: May be irritating to the respiratory tract. May cause central nervous system (CNS) effects.

Ingestion: May cause gastric distress, nausea, and vomiting if ingested.

Carcinogenicity & Chronic Effects: See Section 11-Toxicological Information.

Section 3: Composition/ Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Wt. %</th>
<th>Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene, copolymer</td>
<td>95-100</td>
<td></td>
<td>No Comments</td>
</tr>
<tr>
<td>Styrene, monomer</td>
<td>100-42-5</td>
<td>0.1-5</td>
<td>No Comments</td>
</tr>
</tbody>
</table>

Composition Comments: Component LD50 and LC50 values are provided in Section 11, if available.
Section 4: First-Aid Measures

Eye Contact: Promptly wash eyes with copious amounts of water while lifting eye lids. Look for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin Contact: Wash skin thoroughly with soap and water. Remove any contaminated clothing and launder before reuse. Get medical attention if any discomfort continues.

Inhalation: Move person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Dilute with 2-3 glasses of water or milk, only if conscious. Never give anything by mouth to an unconscious person. If signs of irritation or toxicity occur, seek medical attention.

General Notice: Persons seeking medical attention should carry a copy of this MSDS with them.

Section 5: Fire Fighting Measures

Flammable Properties:
Flashpoint: Not Available
Auto ignition Temperature: 932°F (500°C)
Explosion Data: Sensitivity to Mechanical Impact: Not Applicable
Explosion Data: Sensitivity to Static Discharge: If applicable, information is provided in Section 5 (Fire Fighting Measures) and Section 6 (Accidental Release Measures).

Extinguishing Media:
Use extinguishing media appropriate for surrounding fire.

Protection of Fire Fighters:
Do not enter fire area without proper personal protective equipment, including NIOSH/MSHA approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water runoff out of sewers and waterways.

Hazardous Combustion Products:
Oxides of: Carbon

Conditions of Flammability:
Products are classified as flammable/combustible based on flash point as defined in the Health Canada Controlled Products Regulations, US Occupational Health and Safety Administration, Hazard Communication Standard, and transportation regulations. See Sections 1, 2, 5, 14, and 15 for flammable/combustible classification information. Flammable/combustible materials may ignite and burn if exposed to a flame or other sources of ignition.

Other Flammable Properties:
Particulate may accumulate static electricity. Dusts at sufficient concentrations can form explosive mixtures with air.
Section 6: Accidental Release Measures

Personal Precautions:
Use personal protective equipment identified in Section 8 (exposure Controls/ Personal Protection).

Spill Procedures:
Evacuate the spill area with the exception of the spill response team. Contain spilled material. Do not allow spilled material to enter sewers, storm drains, or surface waters. Spilled product is very slippery. Avoid the generation of dust. Sweep, vacuum, or shovel and place into closable container for disposal.

Environmental Precautions:
Waste must be disposed of in accordance with Federal, State, and Local laws.

Section 7: Handling & Storage

Handling:
Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid generating or breathing dust. Spilled product is very slippery. Use only with adequate ventilation. Wash thoroughly after handling.

Storage:
Store in dry, well-ventilated area. Keep container closed. Store away from incompatibilities. Follow safe warehousing practices regarding palletizing, bending, shrink-wrapping, and/or stacking.

Section 8: Exposure Controls/ Personal Protection

Exposure Limits (TVL & PEL- 8H TWA):

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Wt. %</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene, copolymer</td>
<td>100-42-5</td>
<td>95-100</td>
<td>N/A</td>
<td>N/A</td>
<td>(1)</td>
</tr>
<tr>
<td>Styrene, monomer</td>
<td>100-42-5</td>
<td>0.1-5</td>
<td>20 ppm, 40 ppm STEL</td>
<td>100 ppm, 200 ppm ceiling</td>
<td>None</td>
</tr>
</tbody>
</table>

**Notes:** (1) Control as an ACGIH particulate not otherwise specified (PNOS): 10 mg/m³ (inhalable); 3 mg/m³ (Respirable) and an OSHA particulate not otherwise regulated (PNOR): 15 mg/m³ (Total); 5 mg/m³ (Respirable).

Engineering Controls:
Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits.

Personal Protection Equipment:
All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical and hazards present and the risk of exposure to those hazards. The PPE recommendations below are based on our assessment of the chemical hazards associated with this product.

Personal Protection Equipment Continued...

Eye/ Face Protection: Dust resistant safety goggles
Skin Protection: Not normally necessary. If needed to minimize irritation: Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as Nitrile or Neoprene.

Respiratory Protection: All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (US OSHA Respiratory Protection Standard) or local equivalent. If exposed to airborne particles of this product use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or re-usable particulate respirator.

General Hygiene Considerations: Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product.

Section 9: Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Various</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Physical State</td>
<td>Pellets</td>
</tr>
<tr>
<td>pH</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.1</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Melting/ Freezing Point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Section 10: Stability & Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>Oxidizers, Heat, Light, Halogens, Catalysts, Copper, and Copper Alloys</td>
</tr>
<tr>
<td>Conditions of Reactivity</td>
<td>See Conditions and Materials to Avoid, if applicable</td>
</tr>
<tr>
<td>Hazardous Decomposition</td>
<td>For thermal decomposition products, see Section 5.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>May occur</td>
</tr>
</tbody>
</table>

Section 11: Toxicological Information

Component Toxicological Data:
Any adverse component toxicological effects and acute toxicity values (LD50s, LC50s) are listed below. If no effects or acute values are listed for components, no such data were identified.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene, monomer</td>
<td>100-42-5</td>
<td>Oral LD50: 1000 mg/kg (rat); Inhalation LC50: 11.8 mg/L/4H (rat)</td>
</tr>
</tbody>
</table>
Ingredient: Styrene, monomer
Component Toxicological Summary
Rats exposed to 800 ppm styrene via inhalation for 13 weeks experienced hearing effects. No effects were observed at 200 ppm. Small decreases in color vision have been observed in some workers exposed to styrene. Mutation assays on styrene have shown mixed results. Styrene did induce sister chromatid exchange at high concentrations or under test conditions that favored metabolic activation. The International Agency for Research on Cancer (IARC) has classified styrene as a Group 2B carcinogen (possibly carcinogenic to humans). This classification is based on animal carcinogenicity data. Epidemiology studies of over 90,000 workers in styrene plastic facilities showed no increase in cancer from occupational exposure to styrene. (Vendor MSDS)

Product Toxicological Information:
Long term inhalation of particulate can cause irritation, inflammation, and/or permanent injury to the lungs. Illnesses such as pneumoconiosis (dusty lung), pulmonary fibrosis, chronic bronchitis, emphysema, and bronchial asthma may develop.

Section 12: Ecological Information

Component Ecotoxicity Data:
Component Ecotoxicity data are listed below. If no data is listed, none were found in the component review.

<table>
<thead>
<tr>
<th>Ingredient:</th>
<th>CAS No:</th>
<th>Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene, monomer</td>
<td>100-42-5</td>
<td>LC50 96H (flow-through): 4.02 mg/l (fathead minnow); LC50 96H: 25.05 mg/l (bluegill); LC50 96H (static): 64.74 mg/l (goldfish)</td>
</tr>
</tbody>
</table>

Section 13: Disposal Considerations

Waste Classification: Not Determined

Waste Management:
Under US Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine at the time of disposal, whether the product meets the RCRA criteria for hazardous waste. This is because of product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous. Empty containers retain residues. All labeled precautions must be observed.

Disposal Method:
Recover and reclaim or recycle, if practical. Should this product become waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

Section 14: Transportation Information

This product is not regulated for transportation by DOT, TDG, IMDG, ICAO/ IATA.
Section 15: Regulatory Information

US Federal and State Regulations:
SARA 311/312 Hazard Categories: Immediate (acute) health hazard. Delayed (chronic) health hazard.

SARA 302/304, 313; CERCLA RQ: Note if no components are listed below, this product is not subject to the referenced SARA and CERCLA regulations and is not known to contain a Proposition 65 listed chemical at a level that is expected to pose a significant risk under anticipated use conditions.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>SARA 302/TPQs</th>
<th>SARA 313</th>
<th>CERCLA RQ</th>
<th>CA 65 Cancer</th>
<th>CA 65 Dev. Tox.</th>
<th>CA 65 Repro. F</th>
<th>CA 65 Repro. M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene, monomer</td>
<td>0.1%</td>
<td>1000 lb final RQ; 454 kg final RQ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

International Chemical Inventories:

- Australia AICS-
- Components are listed or exempt from listing.

- Canada DSL-
- Components are listed or exempt from listing.

- China Inventory-
- Components are listed or exempt from listing.

- European Union (EINECS/ELINCS)- Components are listed or exempt from listing.

- Japan METI ENCS-
- Components are listed or exempt from listing.

- Korea TCCL ECL-
- Components are listed or exempt from listing.

- New Zealand-
- Components are listed or exempt from listing.

- Philippine PICCS-
- Components are listed or exempt from listing.

- US TSCA-
- Components are listed or exempt from listing.

- US TSCA-
- No components are subject to TSCA 12(b) export notification requirements.

WHIMS Class: D2A D2B

Section 16: Other Information

This product’s safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user’s obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. All materials in this product are produced in compliance with Public Law 94-469 (also known as the “Toxic Substances Control Act” of 1976).