

POL-E-FLAKE

SECTION 1. IDENTIFICATION

Product Identifier	POL-E-FLAKE
Other Means of Identification	Polyethylene terephthalate
Product Family	Lost Circulation Material
Recommended Use	Drilling Fluid Additive.
Supplier Identifier	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Phone No.	ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

Product is essentially non-toxic and harmless.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove to fresh air. If breathing difficulties or distress continue, obtain medical attention.

Skin Contact

Wash with soap and water. If irritation develops or persists, seek medical attention.

Eye Contact

Flush eyes with plenty of water (open eyelids) for at least 15 minutes. If eye irritation persists, seek medical attention.

Ingestion

Not considered toxic on animal studies.

Most Important Symptoms and Effects, Acute and Delayed

If molten polymer contacts skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention to thermal burn.

SECTION 5. FIRE-FIGHTING MEASURES

Product Identifier: POL-E-FLAKE - Ver. 1

Date of Preparation: December 29, 2020

Date of Last Revision:

SDS No.: 1095

Page 01 of 04

Extinguishing Media

Suitable Extinguishing Media

Water spray or any class A extinguishing agent.

Specific Hazards Arising from the Product

None known.

At temperatures above 350°C, heavy fuming, carbon dioxide and carbon monoxide will occur.

Special Protective Equipment and Precautions for Fire-fighters

Fire fighters and others exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Spill or Release: Clean up by vacuuming or wet sweeping to minimize dust exposure.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is important to prevent accumulation of dust.

Conditions for Safe Storage

Dry storage. Keep containers closed to prevent contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA limit for nuisance dusts: 15 mg/m³

Appropriate Engineering Controls

Dust may form explosive mixtures with air. Avoid dust formation and control ignition sources. All plastic dust particles suspended in air are combustible and may be explosive. Keep away from heat, sparks, flame, and other ignition sources. Prevent dust accumulations and dust clouds. Employ grounding, venting, and explosive relief provisions in accordance with accepted engineering practices.

Ventilation: local exhaust at processing equipment to keep particulates below 15 mg/m³, the OSHA limit for nuisance dusts.

Individual Protection Measures

Eye/Face Protection

Safety glasses are recommended to prevent particulate matter from entering eyes while grinding.

Respiratory Protection

None under normal processing, if ventilation is adequate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colourless flakes. Particle Size: Not applicable
Odour	Odourless
Odour Threshold	Not applicable
pH	Not applicable
Melting Point/Freezing Point	225 - 260 °C (melting); Not applicable (freezing)

Product Identifier: POL-E-FLAKE - Ver. 1

SDS No.: 1095

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 02 of 04

Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Relative Density (water = 1)	1.44
Solubility	Insoluble in water; Not available (in other liquids)
Auto-ignition Temperature	350 °C
Decomposition Temperature	Not applicable
Other Information	
Physical State	Solid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not applicable
Other Physical Property 1	Volatile content: <1%

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Ignition sources.

Incompatible Materials

Strong oxidizing agents. Strong bases.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Contains no hazardous ingredients.

Skin Corrosion/Irritation

Non-irritating.

Serious Eye Damage/Irritation

May cause mechanical irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Not a likely route of exposure. No adverse effects expected.

Ingestion

Not a likely route of exposure. No adverse effects expected.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No known effects of chronic exposure.

No information was located for: Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Toxicity is expected to be low based on insolubility of polymer in water.
It is good practice to prevent releases into the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, provincial and local government regulations. Recycling is encouraged. Landfill or incineration.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 0** **Flammability - 0** **Instability - 0**

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation December 29, 2020

Disclaimer This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

Product Identifier: POL-E-FLAKE - Ver. 1

SDS No.: 1095

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 04 of 04