2. Materials:

English Name: Polyethylene
Synonyms: PE

3. Hazard Identification:

Major Hazard Effect:
Hazard Warnings For Health: Avoid breathing dust or and fumes that may be generated during processing.
Hazard Warnings For Environment: None known at a reportable level
Physical And Chemical Dangerous: None known at a reportable level
Special Harm: None known at a reportable level
Major state: None known at a reportable level
Hazard category: Not applicable

4. First Aid Measures:

Emergency And First Aid Procedures:
Inhalation: If symptoms are experienced, move victim to fresh air
Skin Contact: If skin contact at application temperature, immediately immerse contacted area in cold water to reduce temperature and relieve pain. Do not attempt to peel adhesive from skin. Call a physician.
Eye Contact: Wash eyes with running water. If irritation persists, repeat washing and obtain medical attention immediately.
Ingestion:

5. Fire Fighting Measure:

Suitable Extinguishing Media: Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer's recommended technique.
Special Exposure Hazards: Dust may form explosive mixtures with air.
Special Extinguishing Procedure and Protection Equipment: Use NIOSH-approved self-contained breathing apparatus when fighting fire in enclosed areas.
6. Accidental Release Measures

**Release Response:** Collect product for recycle or disposal. Clean up immediately to avoid slipping hazard. Notify applicable government authority if release is reportable or could adversely affect the environment.

**7. Handling And Storage:**

**Handling:** Keep material off walking surfaces, it may create a slipping hazard. Use in well-ventilated area. Ground and bond equipment to prevent electrostatic charge when transferring product.

**Storage:** Store in a cool location (60–80 °F, 15–26°C) away from sunlight and any source of heat. Keep container tightly closed when not being used.

**8. Exposure Control/Personal Protection**

**Engineering Control:**

**Personal Protection Equipment:**

- **Respiratory Protection:** Use NIOSH-approved respirator if unable to control airborne dust, fumes, and vapors.
- **Eye Protection:** Safety glasses with side shields are recommended to prevent eye contact.
- **Skin & Body Protection:** Gloves and protective clothing such as long sleeves or a lab coat should be worn.

**9. Physical And Chemical Properties / Characteristics**

- **Appearance:** Solid
- **Form:** 1/8 inch diameter pellets
- **Color:** whitish color
- **Odour:** negligible
- **pH value:** Not applicable
- **Boiling Point/ Boiling Range:** Not applicable
- **Decomposition Temperature:** Not applicable
- **Spontaneous Temperature:** Not applicable
- **Vapor Pressure:** Not applicable
- **Density (g/cm³):** 0.900–0.965
- **Flash Point:** Not applicable
- **Exposure Limits:** Not applicable
- **Vapor Density:** Not applicable
- **Solubility In Water:** Unsoluble

**10. Stability And Reactivity:**

- **Stability:** Stable
- **Special Conditions Of Hazardous Reaction:** Will not occur.
- **Conditions To Avoid:** Temperature over 200 °C
- **Incompatibility:** Strong oxidizers.
- **Hazardous Decomposition Products:** Fumes from complete of this material may include carbon dioxide, carbon monooxide, water vapor, oxide of nitrogen or a wide variety of innocuous or toxic fumes.

**11. Toxicological Information:**

- **Acute Toxicity:** No adverse effects are expected
- **Local Effects:** Not expected to occur
- **Sensitive:** Not expected to occur
- **Chronic:** Not expected to occur
- **Exceptional Effect:** No adverse effects are expected

**12. Ecological Information**

- **Possibility Of Environmental Impact /Move:** Expected to be minimal base on the low water solubility of polymers.
13. Disposal Information:
Disposal Information: Dispose of waste material at an approved waste incineration facility in accordance with applicable regulations.

14. Transport Information
International Transport Regulation: Not regulated
The United Nations Number(Un-No): Not regulated
Internal Transport Regulation: Not regulated
Special Transport Way And Note: Not applicable

15. Regulatory Information
Apply Regulation:
WHMIS Classification: Not controlled
Ozone Depleting Substances: None, complies with Clean Air Act Amendment of 1900