



PE300 Extruded Hollow Rod Safety Sheet

1. Substance/Preparation

Product Name: Polyethylene

2. Composition/Indications to Components

Chemical Characteristics: Polyethylene
CAS Number: 9002-88-4

2. Possible Dangers

Main Hazards: None to our knowledge.

Inhalation: If heated to more than 200°C, the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath.

Skin Contact: In contact with hot material, may cause severe thermal burns.

Physical-Chemical Hazard: Combustible if exposed to flames.

3. First Aid Measures

After Inhalation: Exposures to fumes and vapours produced by heated or burned product: in case of severe exposure to fumes or vapours, move the affected person into fresh air. Get medical advice if the symptoms continue.

After Skin Contact: Exposure to splashing of hot product: treat the affected part with cold water (by spraying or immersion). No attempt should be made to detach molten product adhering to the skin or to remove clothing attached with molten material, the injured body part would risk being pulled out; usually the layer detaches itself after a few days. In case of severe burn, seek medical advice immediately.

After Eye Contact: Exposure to splashing of hot material. Treat the eyes with cold water. Seek immediately special medical attention. Fine dust may cause irritation to ocular water, until the irritation disappears.

After Swallowing: Ingestion during handling is not likely.

5. Fire Fighting Measures

Suitable Fire Fighting Appliance: Water haze, foam, chemical powder.

Unsuitable Extinguishing Agents: Water jet.

Protective Equipment: Use a mask with universal filter. Use self-contained breathing apparatus within confined rooms.



Bay Plastics Safety Sheet

6. Measures in Case of Unintended Release

General: Sweep or gather up material and place in proper container for disposal or recovery.

7. Handling & Storage

Handling: Follow good standard industrial hygiene practices. Apply adequate ventilation directly to the outside air. Avoid the formation of dust.

Storage: Inert material under normal storage conditions. No special precautions required. Keep dry for optimum machining. To avoid risk of collapse if accidentally exposed to water, do not stack unsupported boxes too high.

8. Limitation of Exposition

Engineering Controls: A continuous supply of fresh air to the workplace together with removal of processing/machining fumes through exhaust systems is recommended.

Eye/Face Protection: Wear safety glasses with side shields or chemical goggles should be sufficient for most machining runs.

Hand/Skin: Long pants, long sleeves and gloves should be worn when handling hot material.

Respiratory: Under normal conditions no special respiratory protection is required, however one recommends with work under increased temperatures without sufficient exhaust, use an approved air-purifying respirator. Do not smoke.

9. Physical & Chemical Characteristics

Phenotype

Form: Semi finished material (solid)

Colour: Black & Natural

Smell: None

Melting Range: 90 – 160°C

Flash Point: +/- 340°C

Auto Ignition: >350°C

Solubility in Water: Insoluble

10. Stability & Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Avoid contact with strong oxidising materials and fluorine. Avoid proximity or contact with flames or sparks. Do not heat to temperatures exceeding 300°C.

Hazardous Reactions: Dust may form an explosive mixture with air, ignited by sparks or sources of ignition.

Advice to Prevent Explosion: Thoroughly ventilate the working place.



11. Toxic Information

Inhalation:	Low risk for temperatures below 40°C. If heated to more than 200°C, the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath. Dust may cause irritation of respiratory system.
Skin Contact:	No risk for temperatures below 40°C. In contact with hot material, may cause severe thermal burns.
Eye Contact:	Fine dust may cause irritation to ocular mucous.
Ingestion:	Minimal toxicity.
Carcinogenicity:	The agent is not classifiable.

12. Ecological Information

Not expected to present any significant ecological problems.

13. Waste Disposal Information

Recycling:	This product may be recycled either back into original parts or into other suitable applications.
Waste Disposal:	This product is not regarded as hazardous waste. Dispose in accordance with local regulations.

14. Transport Information

Road:	Not restricted for transport.
Rail:	Not restricted for transport.
Marine:	Not restricted for transport.
Airline:	Not restricted for transport.