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Safety Data Sheet

1 Product Information and Company Contact Information

- A Trade Name(s): HDPE01, HDPE02
B Description: high density polyethylene
C Use: Plastic material for injection molding or extrusion

2 Hazards Identification

- A This product is not classified as a combustible dust, however a combustible concentration of dust may occur if fines are suspended in air.
B This material can begin to decompose at elevated temperatures producing fumes that can contain carbon dioxide, carbon monoxide and other organic compounds. Adequate ventilation should be used.

3 Composition

Ingredients	CAS Number	% by Weight
High density polyethylene	9002-88-4	98 to 100
Carbon black (for black compounds)	1333-86-4	0 to 2

4 First Aid Measures

- A Eyes: Flush with water to remove dust. If fumes irritate eyes, remove to fresh air. Seek medical attention if irritation persists.
B Skin: Wash with soap and water.
C Ingestion: If ingested, dilute swallowed material by drinking water. Never give anything by mouth to an unconscious person. Get medical attention if irritation or other symptoms develop.
D Inhalation (of fumes): Remove to fresh air. Seek medical attention if irritation persists or if breathing becomes difficult.
E Contact with Molten Material: Cool under cool water. Do not attempt to remove material from skin. Seek medical attention.

5 Fire Fighting Measures

- A Fire Extinguishers should be rated for Class A fires. Multipurpose class A,B & C fire extinguishers are also acceptable. The fire extinguisher should contain Dry Chemical, Water, Water Fog or Foam.

6 Accidental Release Measures

- A Spilled pellets may present a slipping hazard and should be cleaned up immediately.

7 Handling and Storage

- A Store in areas with automatic sprinklers if available.
B Keep containers closed.
C Store in temperatures below 140 F.

8 Exposure Controls and Personal Protection

- A Safety glasses should be worn operating processing equipment.
 - B Heat resistant gloves should be worn when handling molten material.
 - C No respiratory protection required under normal conditions of use.
 - D Use local exhaust ventilation during dust producing operations.
 - E Wash hands thoroughly after handling. Do not eat, drink or smoke in work area. If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.
- OSHA PEL-TWA: 15 mg/m³ (total dust), 5 mg/m³ (respirable dust)
ACGIH TLV-TWA: 10 mg/m³ (total dust), 3 mg/m³ (respirable dust)

9 Physical and Chemical Properties

- A Appearance: pellets that are clear, white or colored.
- B Upper/Lower flammability or explosive limits: Not applicable
- C Odor: none
- D Vapor pressure: Not applicable
- E Odor threshold: Not available
- F Vapor density: Not applicable
- G pH: Not applicable
- H Specific density: 0.89-0.98
- I Melting point: 320-338 F
- J Solubility: Insoluble
- K Initial boiling point and boiling range: Not applicable
- L Flash point: Not applicable
- M Evaporation rate: Negligible
- N Flammability: Does not readily burn
- O Partition coefficient: N-octanol/water: Not applicable
- P Auto-ignition temperature: na
- Q Decomposition temperature: na
- R Viscosity: Solid at room temperature

10 Stability and Reactivity

- A Stability: Stable under recommended storage conditions. Keep away from strong oxidizing agents.
- B Reactivity: None

11 Toxicological Information

- A Eyes: Fine particles can cause mechanical eye irritation.
- B Skin: Not expected to cause skin irritation. Molten material may cause thermal burns.
- C Ingestion: May cause a choking hazard if swallowed.
- D Inhalation: Fine particles of dust may cause mechanical irritation to respiratory tract. Prolonged exposure to fumes can cause nausea or headache.
- E Carcinogenicity: The components of this product are not classified as carcinogenic by OSHA, NTP or IARC.
- F Medical Conditions Aggravated by Overexposure: Exposure may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

12 Ecological Information

- A The risk for ecological toxicity is extremely low.

13 Disposal Considerations

- A Dispose of material in compliance with federal, state and local disposal laws.
- B Recycling/Reclamation: Recycling or reclamation of polyethylene resins should be encouraged where

14 Transport Information

A Non-hazardous for air, sea or road freight.

15 Regulatory Information

A U.N. GHS Classification & Labeling Information: Not hazardous according to GHS criteria.

REACH registration number 01-2119462827-27-0267

U.S. Federal Regulatory Information:

EPA Clean Air Act: Not listed

EPA Clean Water Act: Not listed.

TSCA: The ingredients of this product are listed on TSCA inventory (40 CFR 710)

RCRA: This product as supplied is not considered a RCRA hazardous waste.

CERCLA RQ: Not listed

SARA Title III § 302: None

SARA Title III § 311/312: None

SARA Title III § 313: Not listed

European Union Regulatory Information:

Classification: Not hazardous according to EU criteria.

Canadian Regulatory Information:

Classification: Not hazardous according to WHMIS criteria.

Domestic Substances List (DSL): Listed 16 A SARA Title III § 313:

16 Other Information

A None.