

MATERIAL SAFETY DATA SHEET FOR PE-HD

1. IDENTIFICATION OF THE PREPARATION

Trade name: PE100

2. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a polyethylene copolymer (CAS No. 25087-34-7, with 1-butene as comonomer).

It contains small amounts of Carbon Black. Contains no substance classified as hazardous, in concentrations which should be taken into account according to EC directives.

3. HAZARDS IDENTIFICATION

The product is not classified as a dangerous preparation (EC).

Inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.

4. FIRST AID MEASURES

No specific instruction needed.

5. FIRE FIGHTING MEASURES

Extinguishing agents: Water in spread jet, dry chemicals, foam or carbon dioxide should be used.

The product burns, but is not classified as flammable. Principal toxicant in the smoke is carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Suck or sweep up spill. All spill of granules must be removed immediately to prevent slipping accidents.

7. HANDLING AND STORAGE

During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released. Provide adequate ventilation. Local exhaust ventilation may be necessary.

Avoid inhalation of dust and decomposition fumes.

Dust from the product gives a potential risk for dust explosion. All equipment shall be

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide adequate ventilation. Local exhaust ventilation may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid granules, odourless.
Melting point: 110-140 °C Ignition temperature: > 300 °C
Solubility: insoluble in water.

10. STABILITY AND REACTIVITY

The product is a stable thermoplastic, with no chemical reactivity.

11. TOXICOLOGICAL INFORMATION

The product is not dangerous.

12. ECOLOGICAL INFORMATION

The product is not considered dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

Reuse or recycle if not contaminated. The product may be safely used as fuel or landfilled. Proper combustion does not require any special flue gas control. No leachate is generated in landfills. Check with local regulations.

14. TRANSPORT INFORMATION

The product is not regulated by ADR/RID, IMDG or IATA.

15. REGULATORY INFORMATION

Label; Product name: PE-HD

16. OTHER INFORMATION

Application: Polymer raw material.

SOURCE: BOREALIS

Notice: This safety data sheet provides general information, applicable for PE types. Project related physical, mechanical and chemical properties can vary for different PE types and must be verified separately for each application.

All information given herein is based on our best knowledge, which is supported by extensive research, development and application-experience, but AGRU undertakes no liability whatsoever in connection with the actual application and processing of the products nor of the above given information.