



Polyethylene
Borcoat™ HE3450

1. Identification of the substance/preparation and of the company/undertaking

Trade name: Borcoat HE3450
Intended use: raw material for plastic industry
Manufacturer: Borealis
E-mail address: SDS@borealisgroup.com

2. Hazards identification

Health: The product is not classified as dangerous preparation. However, 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.

Fire: The product burns, but is not classified as flammable.

Environment: The product is not considered dangerous for the environment.

3. Composition/information on ingredients

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

It contains carbon black (EC No 215-609-9, CAS No 1333-86-4).

Contains no substance classified as hazardous in concentrations, which should be taken into account according to EC directives.

4. First-aid measures

No specific instruction needed.

Skin contact: Cool molten product on skin with plenty of water. Do not remove solidified product.

5. Fire-fighting measures

Suitable extinguishing media: Water in spread jet, dry chemicals, foam or carbon dioxide.

Special exposure hazards: Principal toxicant in the smoke is carbon monoxide.

6. Accidental release measures

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

7. Handling and storage

Handling: 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 grounded.

Storage: Safety aspects do not require any special precautions in terms of storage.

8. Exposure controls/personal protection

Provide adequate ventilation. Local exhaust ventilation may be necessary.

Borcoat is a trademark of Borealis A/S, Denmark.

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9. Physical and chemical properties

Appearance: solid, black.

Odour: odourless

Melting point/range: 110 - 140 °C

Density: 0,9 - 1,0 g/cm³

Bulk density: 500 - 600 kg/m³

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 classified as dangerous preparation according to Directive 1999/45/EC. However, 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. Carbon black has a workplace exposure limit in some European countries, but is not classified as dangerous. However, as the chemical is embedded in a solid polymer, exposure is unlikely, unless the polymer is processed in a way that makes such exposure possible.

12. Ecological information

The product is not considered dangerous for the environment.

Water contaminating class (Germany) NWG

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

Classification and labelling according to Annex I, Directive 67/548/EEC.

Label:

Trade name : **Borcoat HE3450**

Manufacturer : Borealis

16. Other information

Issued according to Regulation (EC) No 1907/2006, Annex II, and its corrigenda.

Issuer: Borealis Group Product Stewardship / Mikaela Eriksson



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