



# Polyethylene HE1106

## 1. Identification of the substance/mixture and of the company/undertaking

**Trade name:** HE1106  
**Material use:** raw material for plastics industry  
**Manufacturer:** Borealis  
E-mail address: product.safety@borealisgroup.com

## 2. Hazards identification

**Health:** The product is not classified as hazardous. 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 hazardous for the environment.

## 3. Composition/information on ingredients

The product is a polyethylene polymer.

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

## 4. First aid measures

No specific instructions needed.

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

## 5. Firefighting 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

Vacuum 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.



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## 8. Exposure controls/personal protection

Provide adequate ventilation. Local exhaust ventilation may be necessary.

## 9. Physical and chemical properties

Appearance: solid, light yellow  
Odour: odourless

Melting point/range: 100 – 140 °C  
Density: 0,9 - 1,0 g/cm<sup>3</sup>

Ignition temperature: > 320 °C  
Water 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 hazardous according to Regulation (EC) No 1272/2008. 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.

## 12. Ecological information

The product is not considered hazardous for the environment.

## 13. Disposal considerations

Reuse or recycle if not contaminated. The product may be safely used as fuel. Proper combustion does not require any special flue gas control. Check with local regulations.

## 14. Transport information

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

## 15. Regulatory information

In accordance with Regulation (EC) No 1272/2008, the product does not need to be classified nor labelled.

Label:

Trade name:	HE1106
Manufacturer:	Borealis



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## 16. Other information

Issued in accordance with Article 32 of Regulation (EC) No 1907/2006, and its amendments.

Issuer: Borealis, Group Product Stewardship / Niina Kerttula

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