



Polyethylene
CE4664-5007

1. Identification of the preparation & company

Trade name: Borealis Polyethylene CE4664-5007
Manufacturer: Borealis

2. Composition/information on ingredients

The product is a polyethylene copolymer (CAS No. 25213-02-9, with 1-hexene as comonomer). It contains colorants. 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 grounded.

8. Exposure controls / personal protection

Provide adequate ventilation. Local exhaust ventilation may be necessary.

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9. Physical and chemical properties

Appearance: Solid granules, odourless.

Melting point:	110-140 °C	Ignition temperature:	> 300 °C
Density:	0.9 – 1.0 g/cm ³	Solubility:	insoluble in water.
Bulk density:	0.5 – 0.6 g/cm ³		

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: Borealis Polyethylene CE4664-5007

16. Other information

Application: Polymer raw material.

This safety data sheet is issued by Borealis Corporate HSE&Q/Tuuli Kunnas, according to directive 91/155/EEC.