



Polyethylene
BorPEXTM HE1878E

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

Trade name: BorPEX HE1878E
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).

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.

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

Borealis AG | Wagramerstrasse 17-19 | 1220 Vienna | Austria
Telephone +43 1 224 00 0 | Fax +43 1 22 400 333
FN 269858a | CCC Commercial Court of Vienna | Website www.borealisgroup.com



Polyethylene

BorPEX HE1878E

9. Physical and chemical properties

Appearance: solid, natural colour.

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.

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 : **BorPEX HE1878E**

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



Polyethylene
BorPEX HE1878E

Disclaimer

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.