

Polyethylene

Visico™ LE4423

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

Trade name: Visico LE4423
Material use: Raw material for plastics industry
Supplier: E-mail address: product.safety@borealisgroup.com

2. Hazards identification

Classification of the substance or mixture

Label elements

Other hazards

During crosslinking reaction in combination with catalyst masterbatch: methanol (Flam. Liq. 2; H225, Acute Tox. 3; H301, Acute Tox. 3; H311, Acute Tox. 3; H331, STOT SE 1; H370 - see chapter 16) may be released.

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

If inhaled: Move to fresh air.

In case of skin contact: If molten material comes in contact with the skin, cool with plenty of water. DO NOT remove solidified product, as removal could result in severe tissue damage. Obtain medical attention.

Most important symptoms and effects, both acute and delayed:

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.

Methanol: Toxic by inhalation, in contact with skin and if swallowed. Very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Symptoms of poisoning (methanol): Daze Dizziness Nausea Abdominal pain Respiratory disorders

5. Firefighting measures

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

Specific hazards during firefighting: 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. Recycle or dispose loose material properly. Do not flush into surface water or sanitary sewer system.

7. Handling and storage

Advice on safe 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. Avoid contact with skin and eyes.

Advice on protection against fire and explosion: Dust from the product gives a potential risk for dust explosion. All equipment shall be grounded. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Visico is a trademark of the Borealis group.

Polyethylene

Visico LE4423

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

8. Exposure controls/personal protection

Appropriate personal protective equipment (PPE) shall be worn in accordance with Regulation (EU) 2016/425.

When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

Hand protection: .

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

9. Physical and chemical properties

Appearance: pellets, natural colour

Odour: odourless

Melting point/range: 110 - 140 °C

Density: 0,9 - 1,0 g/cm³

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 to human health. Information given is based on data of the components.

12. Ecological information

Should not be released into 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

None known to apply.

16. Other information

Product does not require Safety Data Sheet in accordance with Article 31 of Regulation (EC) No 1907/2006, and its amendments.

Polyethylene

Visico LE4423

Issuer: Borealis, Group Product Stewardship

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.