

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: Borealis UK Ltd
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 UK 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.

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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.

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

8. Exposure controls/personal protection

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
methanol	603-001-00-X	TWA	200 ppm 266 mg/m ³	GB EH40
		STEL	250 ppm 333 mg/m ³	GB EH40

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.

Respiratory protection: In case of insufficient ventilation: Respirator with ABEK-P3 filter or self-contained breathing apparatus.

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.

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

Should not be released into the environment.

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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.

Issued according to Regulation (EC) No 1907/2006, Annex II, and its amendments. Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Issuer: Borealis, Group Product Stewardship / Robert Lucas

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