

SAFETY INFORMATION SHEET

POLYETHYLENE

Visico™ LE4423

1. IDENTIFICATION

Product name: Visico™ LE4423
 Intended use: Raw material for plastic industry.
 Manufacturer: Abu Dhabi Polymers Co. Ltd (Borouge)
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 Supplier: Borouge Pte Ltd
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2. HAZARDS IDENTIFICATION

GHS classification

Physical: No classification.
 Health: No classification.
 Environmental: No classification.
 Other hazards: The product burns, but is not classified as flammable. Dust from the product gives a potential risk for dust explosion. 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.

GHS label elements

Pictograms: Nil.
 Signal word: Nil.
 Hazard statements: Nil.
 Precautionary statements: Nil.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The product is a Polyethylene.

Contains no substance classified as hazardous in concentrations, which should be taken into account according to Singapore Standard SS 586 : Part 2 : 2014 (Globally Harmonized System of classification and labeling of chemicals – Singapore adaptations).

4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products.
 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.

Eye contact: No specific instruction needed.
Ingestion: No specific instruction needed.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water in spread jet, dry chemicals, foam or Carbon Dioxide.
Specific hazards during fire fighting: Principal toxicant in the smoke is Carbon Monoxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures: No flames, No sparks. Eliminate all sources of ignition. Avoid breathing dust. Use personal protective equipment as required. Refer to Section 8: Exposure Controls / Personal Protection.
Methods for cleaning up: 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. The product should be stored in dry conditions and protected from UV-light. More information on storage can be found in Product Data Sheet (PDS) for this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters / Occupational exposure limits

Component	Basis	Control parameters / Occupational exposure limits
Inhalable dust	USA / ACGIH	TLV-TWA: 10 mg/m ³
	UK HSE EH40/2005	8 hr TWA: 10 mg/m ³
Respirable dust	USA / ACGIH	TLV-TWA: 3 mg/m ³
	UK HSE EH40/2005	8 hr TWA: 4 mg/m ³

Engineering controls: Provide adequate ventilation.
Local exhaust ventilation may be necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid, Natural colour Melting point / range: 100-140°C
Odour: Odourless Ignition temperature: >320 °C
Density: 0.90-1.0g/cm³ Solubility in water: Insoluble in water

10. STABILITY AND REACTIVITY

Chemical stability: The product is a stable thermoplastic.
Reactivity: No chemical reactivity
Conditions to avoid: Dusty conditions, heat, open flame, spark, static electricity.
Incompatible materials: Nil.
Hazardous decomposition materials: On combustion releases: Oxides of Carbon.

11. TOXICOLOGICAL INFORMATION

The product is not classified as a hazardous mixture according to Singapore Standard SS 586 : Part 2 : 2014 (Globally Harmonized System of classification and labeling of chemicals – Singapore adaptations). 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 classified as hazardous to the environment according to Singapore Standard SS 586 : Part 2 : 2014 (Globally Harmonized System of classification and labeling of chemicals – Singapore adaptations).

13. DISPOSAL CONSIDERATIONS

Reuse or recycle if not contaminated. The product may be safely used as fuel or land filled. Proper combustion does not require any special flue gas control. No leachate is generated in landfills. Check with local regulations.

14. TRANSPORT INFORMATION

Land (RID / ADR):	Not regulated.
Sea (IMO / IMDG):	Not regulated.
Air (ICAO-IATA):	Not regulated.

15. REGULATORY INFORMATION

Chemical inventory status

Australia / AIIC:	N
Canada / DSL:	Y
China / IECSC:	Y
Europe / EINECS or ELINCS or NLP:	Y
Japan / ENCS:	N
Korea / KECI:	Y
New Zealand / NZIoC:	Y
Taiwan / TCSI:	Y
Philippines / PICCS:	Y
TSCA (all relevant ingredients designated as active):	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

16. OTHER INFORMATION

Reasons for revision: Changes and / or additions made to Sections 2, 7,15 and 16..

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