

1 Identification of the substance/preparation and of the company/undertaking**· Product details****· Trade name:** *EL-Lene™ (High Density Polyethylene)***· Application of the substance / the preparation:** *Raw material for different industrial uses***· Manufacturer/Supplier:***Thai Polyethylene Co., Ltd.**10 I-I Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150 Thailand**Tel: +66 38 683393-7**Fax: +66 38 683398**www.chemicals.scg.co.th***· Further information obtainable from:***Quality Assurance Department or Environmental Health and Safety Department**10 I-I road, Map Ta Phut Industrial Estate, Muang, Rayong 21150 Thailand**Tel: +66 38 683393-7 ext. 2411 or 2138**or**Technical Service and Development Department**1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand**Tel: +66 25864874 or +66 25865111**SDS-Information: info@chemservice-group.com***· Information in case of emergency:***Environmental Health and Safety Department**Tel: +66 38 683138***2 Hazards identification****· Hazard description:** *Not applicable.***· Information concerning particular hazards for human and environment:** *Not applicable.***3 Composition/information on ingredients****· Chemical characterization:****· CAS No. Description***9002-88-4 Polyethylene (>99%)***· Identification number(s)****· EINECS Number:** *-***· Additional information:***Polymer, which may also be described as: Ethylene butene-1 copolymer (CAS No. 25087-34-7).***4 First aid measures****· General information:** *Take affected persons out of danger area and lay down.***· After inhalation:** *Supply fresh air; consult doctor in case of complaints.***· After skin contact:***Generally the product does not irritate the skin.**After contact with the molten product, cool rapidly with cold water.**Do not pull solidified product off the skin.**Call a doctor immediately.***· After eye contact:***Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.***· After swallowing:***Rinse out mouth and then drink plenty of water.*

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Printing date 27.04.2009

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray.
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
Avoid formation of dust.
Keep away from ignition sources.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Prevent formation of dust.
Any unavoidable deposit of dust must be regularly removed.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Dust can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Store in dry conditions.
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.

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Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Strong material gloves

Leather gloves

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form: Pellets

Colour: Clear to opaque

Whitish

Odour: Light

· Change in condition

Melting point/Melting range: 125-135°C

Boiling point/Boiling range: Undetermined.

· **Flash point:** Undetermined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 0,94-0,97 g/cm³

· Solubility in / Miscibility with

water: Insoluble.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- **Information about elimination (persistence and degradability):** Not easily biodegradable
- **General notes:** At present there are no ecotoxicological assessments.

13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** Not classified

- **Maritime transport IMDG:**
- **IMDG Class:** Not classified

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not classified

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The substance is not subject to classification according to EU lists and other sources of literature known to us.

16 Other information

This Safety Data Sheet is valid for all physical forms.

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.

We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied 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 our 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.

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