Safety Data Sheet

1. Identification of the material and company

Material identity : TAISOX Low Density Polyethylene

Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 8701 202530

Emergency telephone number

+44 1865 407333

2. Hazard indication

Referring to EEC directive 88/379, the material is classified

NOT DANGEROUS

Main personal hazards:

Fire, Sec. 5
Slipping in case of spillage/leakage, Sec. 6
Inhalation of vapours, fumes,powders, Sec. 7
Hazard of contact with molten polymer, Sec. 4
Powders have specific fire risks
Environment: Lack of biodegradability, Sec12

3. Composition / Information on Ingredients

Technical name	: Low Density Polyethylene, LDPE
Chemical name	: Ethylene Polymer
Ingredient percent(%)	: LDPE≥99.7%, Other≤0.3%
Chemical Abstracts Number (CAS No.)	: 9002-88-4
Symbol of the basic polymer against standard ISO 1043-1	: PE-LD
Dangerous components	: NONE

4. First Aid Measures

Skin	: If molten polymer gets on skin, cool rapidly with cool water. Burns have to be treated clinically.
Eyes	: Wash abundantly with water.

5. Fire Fighting Measure

Suitable Extinguishing Media	: Water, Water fog, CO_2, Foam or dry extinguishers
Exting. Media to be avoided	: NONE
Combustion products	: Carbon dioxide, water. In case of incomplete combustion: carbon monoxide, hydrocarbons, aldehydes, ketones and acetic acid may be developed.

6. Spillage

In case of spillage/leakage scoop to container to avoid danger of skidding.

7. Handling and Storage

7.1 During the processing of the material, avoid inhalation of fumes, or powders, by providing good ventilation of the workroom and, if necessary, they have to be trapped by intake in an effective manner. If these measure are taken, traces of aldeydes or ketones which may arise during the process, will remain under the TLV/TWA value. Avoid dispersion of dust in air to reduce potential for ignition or explosions

7.2 Storage: Out of direct sun, in well ventilated, cool and dry places

7.3 Fire precautions: Equipment must be earthed, to avoid static electric charges. Any contact with flame or hot surface must be avoided.

8. Personal Protection

Use gloves, goggles or eyeshade and normal working equipment.
In case of powder, avoid inhalation

9. Physical and Chemical Properties / Characteristics

Appearance	: Solid
Form	: Pellet
Colour	: Translucent
Odor	: none
pH value	: -
Boiling Point/Boiling Range	: -
Decomposition Temperature	: >400°C
Flash Point	: 570°F / 300°C
Test Method	: Open Cup / Close Cup
Autoignition Temperature	: ca. 340°C
Exposure Limits	: -%
Vapor Pressure	: - [(Below) mmHg@20°C]
Vapor Density	: - (Air-1.0)
Specific Gravity	: 0.910-0.940 g/cm³
Solubility in Water	: negligible
Meltingpoint/Freezing point	: -
Volatility	: -
n-octanol partition coefficient (lgKow)	: -

10. Stability and Reactivity

Stable and chemically inert at room temperature. Protracted exposure to temperature over 250°C may cause resin degradation.

11. Toxicological Information

Exposures limits for the monomer have not been fixed. Avoid exposure to fume, eventually developed during the process, by intake and/or efficient ventilation of the working rooms. TWA(ACGIH)for dust = 5 mg/m³

12. Ecological Information

The product is not biodegradable. It can be recycled using suitable technologies. It does not contain, as additives, compounds of lead, mercury, cadmium and chromium. It does not contain asbestos, CFC, HCFC; halons It is not a water endangering material. It is very slowly degraded by solar UV irradiation.

13. Disposal Information

Disposal must be done in accordance with existing regulations. Landfilling and incineration can be considered in most cases suitable. Recycling is possible by melting and pelletizing.

14. Transport Information

14.1 According to RIR-ADR, IMO, IATA, IMDG, FS A11 the product is not dangerous.
14.2 On loading and unloading, equipment must be earthed to avoid static electric charges.

15. Regulation Information

None

16. Other Information

This sheet does not exempt the user from knowing and applying all the relevant regulations and from taking all the relevant safety precautions.

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