



MATERIAL SAFETY DATA SHEET

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1. Chemical Product And Company Identification

Product Name: Low Density Polyethylene(LDPE)
Other Name: Polymer-E
Recommended use : Polymer-e can be use of the film 、 injection and extrusion .
Names, addresses, and phone numbers of the manufacturer or supplier: ASIA POLYMER CORPORATION (APC) ; No.3 , Industrial 1st Rd. Lin-Yuan Kaohsiung (832), Taiwan,R.O.C. ; (07)641-2601~8
Emergency contact phone numbers/fax numbers:(07)641-2601~8/(07)641-2609

2. Hazards Identification

Product hazard class: None
Label content: None
Other hazards: None

3. Composition/Information on Ingredients

Pure material:

Chinese and English name: 低密度聚乙烯(Low Density Polyethylene)
Synonyms: LDPE
Chemical Abstracts Service No.(CAS No.): 009002-88-4
The hazardous ingredients(% of the content): Nil

Mixtures:

Chemical properties:	
Chinese and English names of the hazardous ingredients	Concentration or concentration ranges (ingredient percentage)
None	---

4. First-aid measures:

The first aid measures for different exposure routes: Inhalation: Dust may cause slight irritation, no significant health effects. Skin contact: Rapidly wash off with cool water or shower, if molten material comes in contact with the skin. Do not attempt to remove the material from skin. Eye contact: Dust may cause slight irritation. Fume may cause eye irritation as mid discomfort. Ingestion: None
The most important symptoms and hazardous effects: None
The protection of first-aiders: None
Notes to physicians: None

5. Fire Fighting Measures

Suitable fire extinguishing media: water , water fog, foam, CO ₂ , dry chemical extinguishers.
Specific hazards may be encountered during fire-fighting: Carbon Monoxide (CO) and irritating smoke may emitted when burned without sufficient oxygen.
Specific fire-fighting methods: Use water spray to cool fire exposed surface and to protect personal. Shut off "fuel" to fire.
Special equipment for the protection of fire-fighters: Wear positive pressure, self-contained breathing apparatus in any closed space.



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6. Accidental Release Measure

Personal precaution: None
Environmental precaution: None
Method for cleaning up: Clean up with a shovel and/or vacuum cleaner.

7. Handling and Storage:

Handling: Good general ventilation should be sufficient for most conditions. During the processing of the material, avoid inhalation of fumes and scald of molten material .
Storage: Store in a cool, dry place with good ventilation. Away from source of heat and direct sunlight. Storage silo must be grounded to prevent static charge. Proper ventilation is recommended to control dust formation.

8. Exposure Control / Personal Protection

Engineering Control:---
Control parameters: 8 hours time average exposure limits/Short-term exposure limits/maximum exposure limits:--- biological standard:---
Personal protective equipment: Respiratory protection: Use dust-proof mask. Hand protection: Use rubber gloves. Use thermal resistant gloves, when needed. Eye Protection: Use safety goggles, when dust is present. Skin & body protection: No precautions other than clean body-covering clothing should be needed.
Hygiene Procedures: ---

9. Physical and Chemical Properties / Characteristics

Appearance (physical static, color, etc): Translucent white solid pellets	Odor: negligible
Odor threshold: ---	Melting Point / Melting Range: 100~111°C
pH Value: Not applicable	Boiling point/boiling point range: Not applicable
Flammability (solid, gas): Not applicable	Flash Point: ca.340°C
Decomposition Temperature: Not applicable	Test Method: Close Cup
Auto-ignition Temperature: 349°C	Exposure limit: Not applicable
Vapor Pressure: Not applicable	Vapor Density: Not applicable
Density: 0.915~0.926 g/cm ³	Solubility In Water: Nil.
Portion coefficient(n-octanol/water, log Kow):---	Evaporation rate: Not applicable

10. Stability and Reactivity

Stability: Stable at room temperature.
Possible hazardous reactions under specific conditions: None
Conditions To Avoid: Temperatures over 500 °F (260°C), will release combustible gases.
Materials to avoid: Strong oxidizing agents
Hazardous decomposition procedure: Fumes from decomposition of this material may include carbon dioxide, carbon monoxide, Hydrocarbon, acetic acid.



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11. Toxicological information

Routes of exposure: None
Symptoms: None
Acute toxicity: None
Chronic toxicity or long term toxicity: None

12. Ecological information

Ecotoxicity: Difficult to biodegradable. It can be recycled using suitable technologies.
Persistence and degradability: Difficult to nature degrade.
Bioaccumulative potential: None
Mobility in soil: None
Other adverse effects: Fumes from arbitrarily decomposition of this material may include carbon dioxide, carbon monoxide, Hydrocarbon, acetic acid.

13. Disposal information

Disposal Information: Disposal must be done in accordance with existing regulations. Bury in landfill or burn in an approved incinerator in accordance with applicable regulations.

14. Transport Information

United Nations Number(Un-No): None
UN proper shipping name: None
Transport hazard class(es): None
Packing group: seabulk, bag, tycon bag.
Marine pollutant(YES/NO): NO
Special transport measures and precautionary condition: None

15. Regulatory Information:

Applicable regulation: None

16. Other Information:

Literature reference	None	
Organization that prepared the MSDS	Name: Asia Polymer Corporation Lin Yuan Plant	
	Address/telephone number: No. 3 , Industrial 1st. Rd Lin-Yuan Kaohsiung (832)/+886-(07)641-2601~8	
Person who prepared the MSDS	Title: Engineer	Name: W. S. Liao
Date that the MSDS was prepared	23 October 2008	