



亞洲聚合股份有限公司
ASIA POLYMER CORPORATION
SAFETY DATA SHEET

1. Chemical Product And Company Identification

Product Name: Low Density Polyethylene Resins (LDPE)
Other Name: Polymer-E
Product NO.: C4100、C7100、C1400、F1100、F2200、F2201、F8201、H0100、H0105、M2100、M5100
Recommended use: the thin 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)704-0988
Emergency contact phone numbers/fax numbers:(07)704-0988/(07)641-2609

2. Hazards Identification

Product hazard class: Classification according to Regulation GHS : Not classified as hazardous Classification according to Regulation (EC) No 1272/2008[CLP] : Not classified as hazardous
Label content: N/A
Other hazards: N/A

3. Composition/Information on Ingredients

Pure material:

Chinese and English name: 低密度聚乙烯樹脂 (Low Density Polyethylene Resins)
Synonyms: LDPE
Chemical Abstracts Service No.(CAS No.): 9002-88-4, Content(%):>99.7%
Additive: ---
The hazardous ingredients(% of the content): None

Mixtures:

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

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. Call the physician. Eye contact: Flush eyes with plenty of water. Seek medical advice if pain persists. Ingestion: Get medical attention.
The most important symptoms and hazardous effects: N/A
The protection of first-aiders: No need
Notes to physicians: Let physicians know the symptom of patient.

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: Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly. 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.

6. Accidental Release Measure

Personal precaution: ● Spilled material may cause a slipping hazard. ● Follow safe handling advice and personal protective equipment recommendations.
Environmental precaution: Do not flush into surface water or sanitary sewer system.
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: N/A		
Control parameters: 8 hours time average exposure limits/Short-term exposure limits/maximum exposure limits:---		
PEL--Permissible exposure limit		Regulation
TLV-TWA	No applicable data (8 hr)	USA-OSHA
TLV-STEL	No applicable data (15 min)	USA-OSHA
TLV-C	No applicable data	USA-OSHA
biological standard: N/A		
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: N/A		

9. Physical and Chemical Properties / Characteristics

Appearance (physical static, color, etc): Translucent white solid pellets	Odor: negligible
Odor threshold: N/A	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): N/A	Evaporation rate: Not applicable

10. Stability and Reactivity

Stability: Stable at room temperature.
Possible hazardous reactions under specific conditions: N/A
Conditions To Avoid: Avoid heating above the recommended processing temperature
Materials to avoid: Strong oxidizing agents
Hazardous decomposition procedure: Fumes from decomposition of this material may include carbon dioxide, carbon monoxide.

11. Toxicological information

Routes of exposure: Dust or fume may cause slight irritation.
Symptoms: ●Eye: Solid or dust may cause irritation or corneal injury due to mechanical action. ●Inhalation: Dusts and vapors or fumes evolved during thermal processing may cause irritation to the respiratory system. ●Skin contact: No skin irritation. ●Ingestion: Essentially non-toxic based on components.Unable to digest.
Acute toxicity: N/A
Chronic toxicity or long term toxicity: N/A

12. Ecological information

Ecotoxicity: Difficult to biodegradable. It can be recycled using suitable technologies.
Persistence and degradability: Difficult to nature degrade.
Bioaccumulative potential: N/A
Results of PBT and vPvB assessment: This information is not required.
Mobility in soil: N/A
Other adverse effects: To burn arbitrarily of this material may emit hazardous gas.



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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

International Regulatory For Transport : This material is not considered hazardous according to The General Rule for Classification and Hazard Communication of Chemicals (RIR-ADR 、IMO 、IATA 、IMDG 、FS A11).

United Nations Number(Un-No): N/A

UN proper shipping name: N/A

Transport hazard class(es): N/A

Packing group: seabulk, 25 Kg bag, Jumbo bag

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable.

Marine pollutant(YES/NO): NO

Special transport measures and precautionary condition: N/A

15. Regulatory Information:

Applicable regulation:

1. Regulation of Safety and Health Council of Taiwan's Labor.
2. The Method of Clean 、Storage and Facility standard for Industrial Waste In Taiwan.
3. Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials.
4. Taiwan's Traffic Regulation
5. Public Hazardous Materials Establishment Standards and Safety Control Regulations.
6. Australian-AICS
7. Canada-DSL
8. Chinese Inventory of Existing Chemical Substances
9. European EINECS are exempt from the listings, all monomers are listed.
10. Japan-ENCS
11. New Zealand-NZIoC
12. Philippines-PICCS
13. USA-TSCA
14. Taiwan - Taiwan's chemical substance inventory (TCSI)

16. Other Information:

Literature reference	None	
Organization that prepared the SDS	Name: Asia Polymer Corporation Lin Yuan Plant	
	Address/telephone number: No. 3 , Industrial 1st. Rd Lin-Yuan Kaohsiung (832)/+886-(07)704-0988#1224	
Person who prepared the SDS	Title: Associate Engineer	Name: Po-Hao Huang
Date that the SDS was prepared	03 May. 2024	

Note : The information provided herein is believed to be accurate at issue date. It is not intended for any warranty purposes. Regulatory requirements may be different for different geographical regions and are subject to change. It is the user's responsibility to ensure the compliance with local regulations and laws. APC urges our customers or users of our products to study and understand the content and data provided in this SDS.