1. Identification Of The Material And Company
Chemical Name : LINEAR LOW DENSITY POLYETHYLENE
Trade Name : LINATHENE®
Synonyms : LINEAR LOW DENSITY POLYETHYLENE RESINS , LLDPE
Main Applications : Blown film extrusion, Casting, Injection molding.
Supplier Name : USI  Corporation
Addresses : NO.330, FENGREN RD., RENWU DIST., KAOHSIUNG, TAIWAN
Phone : +886-2-87516888

2. Hazardous Identification:
Classification according to Regulation GHS : None
Classification according to Regulation (EC) No 1272/2008 : None
Contents of label : None
Other Hazards : None
Results of PBT and vPvB assessment : This information is not required.

3. Composition/Information On Ingredients
Pure substance :
Chemical Name : Linear Low Density Polyethylene
Chemical Abstracts Number : 25087-34-7 (CAS No.)
EC Number : 607-541-7

4. First Aid Measures:
Emergency And First Aid Procedures :
● Ingestion: Get medical attention.
Major Symptom And Harm Effect : None
First-Aid Personal Protection : No need
Notes to physician : expatiate symptom or phenomenon of the patient.

5. Fire Fighting Measures
Suitable Extinguishing Media : Water, carbon dioxide, dry chemical
Hazardous Combustion Products : Carbon monoxide (CO), Carbon dioxide (CO2)

6. Accidental Release Measures
Personal Protection : It may be slippery.
Environmental Protection : Do not flush into surface water or sanitary sewer system.

Methods For Cleaning Up : Stop leak and shovel into container for disposal.

7. Handling And Storage :
Handling : Before using, read the Product Data Sheet. Use in well-ventilated area.
Storage : Keep in a dry, cool place. Do not store in heat or direct sunlight.
Keep container tightly closed when not being used.
Specific end uses : None
8. Exposure Control/Personal Protection

Engineering Control: Ventilated area to prevent accumulation of dust and fumes.

Control Factor:

OSHA Exposure Limits
PEL-TWA (Time Weighted Average): None established
PEL-C (PEL ceiling): None established

ACGIH Exposure Limits
TLV-TWA (Time Weighted Average): None established
TLV-STEL (Short Time Exposure Limit): None established

DNEL (Derived No Effect Levels): The product is exempt from REACH registration.
DNEL is the level of exposure to a substance above which humans should not be exposed.
PNEC (The Predicted No Effect Concentration): The product is exempt from REACH registration.
PNEC is the concentration of a substance in any environment below which adverse effects will most likely not occur during long term or short term exposure.

Environmental exposure controls: No special environmental precautions required

Personal Protection 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**: Long sleeve coats and gloves to protect skin exposure.

Hygiene Procedures: None

9. Physical And Chemical Properties / Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid pellets</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>PH Value</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Inflammability</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>340°C</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
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<tr>
<td>Density</td>
<td>0.910 ~ 0.940</td>
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<tr>
<td>Partition coefficient (n-octanol/water, log Kow)</td>
<td>2 of 3</td>
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<tr>
<td>Odor</td>
<td>negligible</td>
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<tr>
<td>Melting Point</td>
<td>120~130°C</td>
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<tr>
<td>Boiling Point/ Boiling Range</td>
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<tr>
<td>Flash Point</td>
<td>&gt; 340 °C</td>
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<tr>
<td>Test Method</td>
<td>Open Cup Close Cup</td>
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<tr>
<td>Exposure Limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Insoluble</td>
</tr>
</tbody>
</table>

Evaporation rate: Not applicable

10. Stability And Reactivity:

Reactivity: Stable under normal conditions of handling, use and transportation

Stability: Stable

Special Conditions Of Hazardous Reaction: Not applicable

Conditions To Avoid: Avoid heating above the recommended processing temperature.

Incompatibility: Might react with strong oxidant.

Hazardous Decomposition Products: CO, CO2 and a wide variety of innocuous or toxic fumes.

11. Toxicological Information:

Routes of exposure: Skin, eyes, inhalation and ingestion

Immediate effects:
- **Eye**: Solid or dust may cause irritation or corneal injury due to mechanical action.
- **Inhalation**: Vapors released during thermal processing may cause respiratory irritation.
- **Skin Contact**: No skin irritation.
- **Ingestion**: Essentially non-toxic based on components. Unable to digest.

Other:
- **Carcinogenicity**: None
- **Acute toxicity**: None
- **Chronic toxicity**: None
12. Ecological Information
Ecological Toxicity : No test data available
Sustainable and De-toxic : Difficult to biodegrade. It can be recycled with appropriate technologies.
Ecologic Accumulation : None
Liquidity in Soil : None
Results of PBT and vPvB assessment : This information is not required.
Other poor Effect : Improper burning may generate hazardous gas.

13. Disposal Information :
Disposal Information : Dispose of waste material at an approved waste incineration facility in accordance
with applicable regulations.

14. Transport Information
The United Nations Number(UN-No) : Not regulated
The United Nations Shipping Name : Not regulated
D.O.T. Hazard Class : Not regulated as a hazardous for transportation.
Package Category : Not regulated
Maritime Pollutants : Not regulated
Special Transport Way And Note : Not regulated
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

15. Regulatory Information :
LINEAR LOW DENSITY POLYETHYLENE(CAS#25087-34-7) is listed in the following chemical inventories:
- Australian-AICS
- Canada-DSL
- Chinese Inventory of Existing Chemical Substances
- European EINECS are exempt from the listings, all monomers are listed.
- Japan-ENCS
- New Zealand-NZIoC
- Philippines-PICCS
- USA-TSCA
- Taiwan Toxic Chemical Substance Control Act (TCSCA)

16. Other Information :
Reference : None
Producer : USI Corporation
Revision date : 2018/08/28

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at
the date of its publication. The information given is designed only as a guide for safe handling, use, processing,
storage, transportation, disposal and release and is not to be considered a warranty or quality specification.