1. Identification Of The Material And Company
Chemical Name : LINEAR LOW DENSITY POLYETHYLENE
Trade Name : LINATHENE®
Synonyms : LINEAR LOW DENSITY POLYETHYLENE RESINS, LLDPE

REACH registration number:01-2119462827-27-xxxx

Main Applications : Blown film extrusion, Casting, Injection molding.
Supplier Name : USI Corporation
Addresses/Phone:NO.330,FENGREN RD.,RENWU DIST.,KAOHSIUNG,TAIWAN/TEL:+886-2-8751-6888
Emergency phone Number/FAX : +886-2-87516888 /FAX:+886-3-318-7229

2. Hazardous Identification :
Not a hazardous substance or mixture
Classification according to Regulation GHS : None
Classification according to Regulation (EC) No 1272/2008 [CLP] : None
Results of PBT and vPvB assessment: This information is not required.

3. Composition/Information On Ingredients
Pure substance :
Chinese and English Chemical name: 線性低密度聚乙烯 (LINEAR LOW DENSITY POLYETHYLENE)
Synonyms: 線性低密度聚乙烯, LINEAR LOW DENSITY POLYETHYLENE RESINS, LLDPE
Chemical Abstracts Number (CAS No.) : 25087-34-7
EC Number : 607-541-7
REACH registration number:01-2119462827-27-xxxx
Hazardous Components : None

Mixture:
Chemical properties:

<table>
<thead>
<tr>
<th>Chinese and English names of the hazardous ingredients</th>
<th>CAS No.</th>
<th>Ingredient percent%</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

4. First Aid Measures :
The first aid measures for different exposure routes:
● Inhalation : Supply fresh air. Get medical attention.
● Skin Contact: If contact with molten material, immediately immerse contacted area with cold water.
  Don't attempt to peel off the molten material from skin. Get medical attention.
● Eye Contact: Flush eyes with plenty of water for several minutes. Seek medical advice if pain persists.
● 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)

Special Extinguishing Procedure :
1. Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly.
2. If possible, remove the remaining pellets or goods to a safe location.
Appropriate protective fire fighting clothing and respirator are necessary for firefighters.
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.
Specific end uses: None

8. Exposure Control/Personal Protection

Engineering Control: Ventilated area to prevent accumulation of fumes.

Control Factor:
● 8 hours time average exposure limits/Short-term exposure limits/maximum exposure limits:

<table>
<thead>
<tr>
<th>PEL - Permissible exposure limit</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLV-TWA</td>
<td>No applicable data(8hr)</td>
</tr>
<tr>
<td>TLV-STEL</td>
<td>No applicable data(15min)</td>
</tr>
<tr>
<td>TLV-C</td>
<td>No applicable data</td>
</tr>
</tbody>
</table>

Environmental exposure controls: No special environmental precautions required
● Biological standard: N/A

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 fumes 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>Appearance: White Solid pellets</th>
<th>Odor: negligible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor threshold: No applicable data available.</td>
<td>Melting Point: 120~130°C</td>
</tr>
<tr>
<td>PH value: Not applicable</td>
<td>Boiling Point/ Boiling Range: Not applicable</td>
</tr>
<tr>
<td>Inflammability: Not applicable</td>
<td>Flash Point: &gt;340 °C</td>
</tr>
<tr>
<td>Decomposition Temperature: Not applicable</td>
<td>Test Method: Open Cup □ Close Cup</td>
</tr>
<tr>
<td>Autoignition Temperature: 340°C</td>
<td>Exposure Limits: Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure: Not applicable</td>
<td>Vapor Density: Not applicable</td>
</tr>
<tr>
<td>Density: 0.910 ~ 0.940</td>
<td>Solubility In Water: Insoluble</td>
</tr>
<tr>
<td>Partition coefficient(n-octanol/water,log Kow): No applicable data available.</td>
<td>Evaporation rate: No applicable</td>
</tr>
</tbody>
</table>
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: Carbon monoxide (CO), Carbon dioxide (CO2).

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 MARPOL73/78 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 - Taiwan's chemical substance inventory (TCSI)
16. Other Information:

Abbreviation and Acronym:
CAS - Chemical Abstracts Service (division of the American Chemical Society)
CLP - Classification, Labelling and Packaging
D.O.T. - Depart of Transportation
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
IBC Code - International Bulk Chemical Code
MARPOL - International Convention for the Prevention of Pollution from Ships
OSHA - Occupational Safety and Health Administration
PBT - persistent, bioaccumulative and toxic
PEL - Permissible exposure limit
TLV-C - Threshold Limit Values-Ceiling exposure limit
TLV-STEL - Threshold Limit Values-Short Time Exposure Limit
TLV-TWA - Threshold Limit Values-Time Weighted Average
USA-OSHA - Occupational Safety and Health Administration
vPvB - very Persistent and very Bioaccumulative

Reference: None
Producer: USI Corporation
Addresses No. 9, Dinghu 5th St., Guishan Dist., Taoyuan City 333, Taiwan
Phone Number: +886-2-8751-6888
Person who prepared the SDS: R & D Division
Date that the SDS was prepared: 2019/12/31

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.