SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Mixture
Product name: POLYETHYLENE LOTRENE LDPE & LLDPE
CAS No: 9002-88-4 (LDPE); 25087-34-7 (LLDPE)
Type of product: Polymers
Formula: \((\text{C}_2\text{H}_4)\text{n}\); \((\text{C}_4\text{H}_8)\times(\text{C}_2\text{H}_4)\text{n}\)

Chemical structure:

WARNING:
FOR STACKING
PALLET SEE
SECTION 7

Synonyms: 9002-88-4 (LDPE); 25087-34-7 (LLDPE)
Product group: -

1.2.1. Relevant identified uses

Main use category: Professional use
Use of the substance/mixture: For more detailed information, see technical data sheet

1.2.2. Uses advised against

No additional information available

1.3. DETAILS OF THE SUPPLIER OF SAFETY DATA SHEET

Qatar Petrochemicals Company (Qapco) Q.S.C
P. O. Box 756
Doha- Qatar
Email address: info@qapco.com.qa,

Qatofin Company Limited
P. O. Box 55013
Doha- Qatar
Email address: info@qatofin.com.qa

1.4. EMERGENCY TELEPHONE NUMBER

Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN724450
Outside USA and Canada: +1 703-741-5970 and +1-703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

2.3. Other hazards
Other hazards not contributing to the classification
Fine dust may cause irritation of respiratory system and mucous. Contact with hot material prevent serious burns. If heated to more than 130°C, the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Dust may form explosive mixture in air. Combustible Dust.

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture
Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP]
-----|--------------------|---|--------------------------------------------------
Polyethylene | (CAS No) 9002-88-4 (LDPE) / 25087-34-7 (LLDPE) | < 100 | Not classified

Full text of H-statements: see section 16

4. First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation
Exposure to spray, fumes and vapours produced by heated or burned product: Move to fresh air. Call a doctor

First-aid measures after skin contact
Exposure to splashing of hot product: Treat the affected part with cold water (by spraying or immersion). Do not remove clothing adhering to the skin. In case of severe burns, seek hospital treatment.

First-aid measures after eye contact
Immediately rinse with water for a prolonged period while holding the eyelids wide open. In case of irritation caused by fine dust: wash with copious volumes of water, until the irritation disappears.

First-aid measures after ingestion
Ingestion during handling is not likely. Do not induce vomiting. Rinse mouth out with water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries
Refer to § 11 for more details on effects.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: For small fire: Carbon dioxide. Dry powder. Water. For large fire: Foam.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Combustible.


5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information: Notify fire brigade and environmental authorities. Evacuate unnecessary personnel. Use water spray to cool exposed surfaces.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Do not attempt to take action without suitable protective equipment. Gloves. Safety glasses.

6.1.2. For emergency responders

Protective equipment: Use personal protective equipment as required.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: If spilled, may cause the floor to be slippery. Sweep up or vacuum up the product. Keep recovered product for subsequent disposal. Do not allow to enter drains or water courses. On water, recover/skim from surface and pour out in disposal container.

Other information: Dispose of contaminated material at an authorized site. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures: Do not eat, drink or smoke when using this product. Keep away from food and drink.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations. Provide local exhaust or general room ventilation. Ground/bond container and receiving equipment. Take precautionary measures against static discharge.
Safety Data Sheet

POLYETHYLENE LOTRENE LDPE & LLDPE


Product: Lotrene LDPE & LLDPE
Version: 5
Revised: 07/05/2017
Supersedes: 26/04/2015

Storage conditions
Store at ambient temperature and at atmospheric pressure in original packaging (plastic or cardboard boxes) or in silo made of appropriate material (aluminium, stainless steel,). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Proper grounding procedures to avoid static electricity should be followed. Keep container tightly closed in a cool, well-ventilated place.

Special rules on packaging
Three pallets must never be stacked. Under normal storage conditions, and following good working practices, two pallets may be stacked on flooring in sound condition. However, when the pictorial warning as shown on the top of the safety data sheet is affixed to the pallet, the pallet must never be placed either on top of or below another pallet.

N.B.: here the term pallet includes both the pallet and its load. When pallets are stored in racks, it should be checked whether the pallet is fit for stacking in the concerned racks.

Packaging materials

7.3. Specific end use(s)

Recommended to professional users

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| POLYETHYLENE LOTRENE LDPE & LLDPE (9002-88-4 (LDPE) ; 25087-34-7 (LLDPE)) |
|-----------------|-------------------|-----------------|
| USA - ACGIH     | ACGIH TWA (mg/m³) | 10 mg/m³ inhalable dust particles |
|                 |                   | 3 mg/m³ respirable dust particles |

8.2. EXPOSURE CONTROLS

Appropriate engineering controls
Ensure good ventilation of the work station. If handling results in dust generation or high temperatures, local exhaust ventilation should be provided to insure that exposure to dust or decomposition products does not exceed the exposure recommended levels. Safety shower. Eye fountain.

Personal protective equipment

Hand protection
Protective gloves. Use insulated gloves when handling this material hot.

Eye protection
Safety glasses.

Skin and body protection
Wear suitable protective clothing. Safety foot-wear.

Respiratory protection
Dust/aerosol mask with filter type P1.

Environmental exposure controls
Avoid release to the environment.

Other information
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: Pellet.
Colour: Translucent. White.
Odour: Odourless.
Odour threshold: No data available
Safety Data Sheet

POLYETHYLENE LOTRENE LDPE & LLDPE


Product: Lotrene LDPE & LLDPE

Version: 5

Revised: 07/05/2017
Supersedes: 26/04/2015

- pH: Not applicable
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: 90 - 160 °C
- Freezing point: No data available
- Boiling point: No data available
- Flash point: ≈ 340 °C
- Auto-ignition temperature: > 350 °C
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapour pressure: No data available
- Relative vapour density at 20 °C: No data available
- Relative density: No data available
- Density: 915 - 935 kg/m³
- Solubility: Water: Insoluble
- Log Pow: No data available
- Viscosity, kinematic: Not applicable
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidising properties: No data available
- Explosive limits: 0.015 kg/m³ (< 63 μm)

9.2. Other information
- Minimum ignition energy: 63 mJ
- VOC content: Negligible

SECTION 10: Stability and reactivity

10.1. REACTIVITY
Electrostatic charges may be generated during handling. Take precautionary measures against static discharge during blending and transfer operations.

10.2. CHEMICAL STABILITY
The product is stable at normal handling and storage conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS
Dust may form explosive mixture in air.

10.4. CONDITIONS TO AVOID
No flames, no sparks. Eliminate all sources of ignition. Avoid temperature above 320°C.

10.5. INCOMPATIBLE MATERIALS

10.6. HAZARDOUS DECOMPOSITION PRODUCTS
Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation
Not classified (Based on available data, the classification criteria are not met)
P.H: Not applicable

Additional information
Heated product causes burns
Thermal decomposition products are produced at elevated temperatures and these may be irritating

Serious eye damage/irritation
Not classified (Based on available data, the classification criteria are not met)
P.H: Not applicable

Additional information
Fine dust may cause irritation to ocular mucous
Thermal decomposition products are produced at elevated temperatures and these may be irritating
Heated product causes burns

Respiratory or skin sensitisation
Not classified

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Not classified

Specific target organ toxicity (single exposure)
Not classified

Additional information
Dust may cause irritation of respiratory system
If heated to more than 130°C, the product may form vapours or fumes which may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath

Aspiration hazard
Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general
Do not allow product to spread into the environment. This product does not present any particular risk for the environment.

12.2. Persistence and degradability

POLYETHYLENE LOTRENEM DPE & LLDPE (9002-88-4 (LDPE) ; 25087-34-7 (LLDPE))
Persistence and degradability
Product persists. Not readily biodegradable.

B.O.D (% of T.O.D)
Below detection limit

12.3. Bioaccumulative potential

POLYETHYLENE LOTRENEL DPE & LLDPE (9002-88-4 (LDPE) ; 25087-34-7 (LLDPE))
Bioaccumulative potential
Low bioaccumulation potential.

12.4. Mobility in soil

POLYETHYLENE LOTRENEM DPE & LLDPE (9002-88-4 (LDPE) ; 25087-34-7 (LLDPE))
Ecology - soil
Low mobility.

12.5. Results of PBT and vPvB assessment

POLYETHYLENE LOTRENEM DPE & LLDPE (9002-88-4 (LDPE) ; 25087-34-7 (LLDPE))
Results of PBT assessment
Not required

12.6. Other adverse effects
No additional information available
SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods
Dispose of in accordance with relevant local regulations. Do not discharge the product into the environment. Recycle the material as far as possible.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
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<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<td>14.2. UN proper shipping name</td>
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<td>Not applicable</td>
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<td>Not applicable</td>
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<tr>
<td>14.5. Environmental hazards</td>
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<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
</tbody>
</table>

No supplementary Information available

14.6. Special precautions for user
- Overland transport
  No data available
- Transport by sea (IMDG)
  No data available
- Air transport (IATA)
  No data available
- Inland waterway transport
  No data available
- Rail transport
  No data available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

VOC content : Negligible
Safety Data Sheet

POLYETHYLENE LOTRENE LDPE & LLDPE


Product: Lotrene LDPE & LLDPE
Version: 5
Revised: 07/05/2017
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15.1.2. National regulations

These registration entries are for polymers only. For additives, please refer to QAPCO who will provide the necessary certification.

Not listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Complies the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the China Inventory of Existing Chemical Substances (IECSC)
Listed on the Canadian DSL (Domestic Substances List)
Listed on NZIoC (New Zealand Inventory of Chemicals)

15.2. Chemical safety assessment

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

SECTION 16: Other information

Other information

Training staff on good manufacturing practice. Manipulations are to be done only by qualified and authorized persons. Use good personal hygiene practices.

SDS EU (REACH Annex II)

This information applies to the PRODUCT AS SUCH and conforming to specifications of Qapco and Qatofin. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.

The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.

It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product, usage, storage, cleaning of containers, other processes). The totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.