	MSDS	ISSUE DATE	June-2020
	POLYETHYLENE	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612		Page:1/3	

### 1-Chemical Product & Manufacturer'S Information:

- a)chemical name : linear low density polyethylene/high density polyethylene  
 b) usage : see technical data sheet for each grade.  
 c)chemical type : thermoplastic  
 e)prepared by : Tabriz Tetrochemical Complex  
 d)manufacture'saddress:Iran-E.Azarbayjan-AzarshahrRoad-TPC-P.O.POX:51745-354

### 2. HAZARDS IDENTIFICATION:

Physico-chemical properties: No hazards resulting from material as supplied.  
 Properties affecting health: No hazards resulting from material as supplied.  
 Environmental properties: No hazards resulting from material as supplied.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

Polyethylene: 0 - 100 %wt(CAS NO.: 9002-88-4)  
 Eye contact: Cool skin rapidly with cold water after contact with hot polymer.  
 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
 Skin contact: Cool skin rapidly with cold water after contact with hot polymer.

### 4. FIRST AID MEASURES

- Inhalation: Move to fresh air. Consult a physician if necessary
- Eye contact: Cool skin rapidly with cold water after contact with hot polymer. Rinse immediately with Plenty of water, also under the eyelids, for at least 15 minutes.
- Skin contact: Cool skin rapidly with cold water after contact with hot polymer.

### 5. FIRE-FIGHTING MEASURES:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
 Extinguishing media which must not be used for safety reasons: High volume water jet


### 6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation wear suitable respiratory equipment.  
 Environmental precautions: No special environmental precautions required  
 Methods for cleaning up: Take up mechanically and collect in suitable container for disposal.

### 7. HANDLING AND STORAGE:

#### Handling

Safe handling advice: Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Avoid dust formation. In case

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of insufficient ventilation, wear suitable respiratory equipment. Provide for appropriate exhaust ventilation and dust collection at machinery.

#### Storage

Technical measures/Storage conditions: Keep in a dry, cool and well-ventilated place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Personal protective equipment

Respiratory protection: (P2) effective dust mask

Hand protection: Latex gloves (ketone resistant)

Eye protection: Safety glasses with side-shields

Skin and body protection Wear suitable protective equipment

Hygiene measures: When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation, especially in confined areas.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state: Granules - crystalline powder

Colour :Coloured - off-white

Odour:None

Density :< 1

Melting point/range: 105 - 130 °C

Flash point :> 300 °C

Autoignition temperature: > 350 °C

Water solubility: None

Solubility in other solvents: None

Thermal sensitivity: Fumes - risk of decomposition

### 10. STABILITY AND REACTIVITY:

Stability: Upon prolonged heating above 300 °C decomposition products may be released. Inhalation of vapours in high concentration may cause irritation of respiratory system.

Materials to avoid: None


Hazardous decomposition products: None

### 11. TOXICOLOGICAL INFORMATION:

Acute toxicity

Eye contact: Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.

Skin contact: Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.

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Inhalation: Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.

Chronic toxicity

Carcinogenic effects: No information available

Mutagenic effects: No information available

Reproductive toxicity: No information available

## 12. ECOLOGICAL INFORMATION:

Ecotoxicity effects: This product has no known eco-toxicological effects.

## 13. DISPOSAL CONSIDERATIONS:

Waste from residues / unused products: Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

Contaminated packaging: Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION:

Land transport: Not classified as dangerous in the meaning of transport regulations.

Class

Sea transport: Not classified as dangerous in the meaning of transport regulations.

Class

Air transport: Not classified as dangerous in the meaning of transport regulations.

Class

## 15. REGULATORY INFORMATION:

Symbol(s): not regulated

R-phrase(s):not regulated

S-phrase(s): not regulated

## 16- Other Information

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