

According to the Directives 91/155/CEE-2001/58/CE-ISO 11014-1

Product Name:

LDPE Low Density Polyethylene



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/ UNDERTAKING

Identification of the substance or

preparation:

Country of origin: CAS Number:

Synonyms:

Company/undertaking identification

Manufacturer subcontractor:

Emergency phone number:

Contact email:

Fax:

Association/Organization:

Use of the Substance / Preparation:

Low Density Polyethylene

Iran (Islamic Republic of Iran)

9002-88-4

LDPE, PE-LD

National Petrochemical Company

Iran Petrochemical Commercial Company

(IPCC)

None

00982188881735

msds@petrochem-ir.net

00982188839511

None

plastic bags, containers, textiles, and electrical

insulation, to coatings for packaging ...

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances: Not applicable, Inert substance. **Hazardous label(s):** This product is not hazardous

Toxicological characteristics: This product is not toxic.

Substances present at a concentration below

the minimum danger:

Within the present knowledge of the supplier, this

product does not contain any hazardous

ingredients in quantities requiring to report in this section, in accordance with EU or national

regulations.

None Other component:

3. IDENTIFICATION OF HAZARDS

If swallowed: Minimal toxicity.

Product not classified as hazardous by UNO. Other information:

Risk phrases: Stable product. It doesn't offer hazard in its

normal handling and storage state.

Skin contact: Negligible hazard at ambient temperatures (-18 to

+38 degrees C; 0 to 100 degrees F). Exposure to

hot material may cause thermal burns.

Eye contact: Particulates may scratch eye surfaces / cause

mechanical irritation.

Inhalation: Dust may cause mechanical irritation. Negligible

hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F) Vapors and/or aerosols which may be formed at elevated temperatures may be

irritating to eyes and respiratory tract.



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4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor NEVER induce swallowing in an unconscious person.

Skin contact: For hot product, immediately immerse in or flush

the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from

skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

In case of exposure by inhalation:

In case of adverse exposure to vapors

and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical

attention.

In case of splashes or contact with eyes: This product is an inert solid. If in eye, remove as

one would any foreign object. Rinse with plenty of

running water. Obtain medical attention if

symptoms occur.

In case of swallowing: There is no known acute effect after over-

Note of physician: exposure to this product.

If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention if

symptoms occur.

5. FIRE FIGHTING MEASURES

Flammable class:

Suitable extinguishing media:

Special exposure hazards arising

from the substance or preparation itself, combustion products, resulting

Flammability Risk 1 (Slight)

Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire. For small fire, use dry chemical or CO2. For large fire, Use dry chemical powder or alcohol-

resistant foam.

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, and Organic acids.

Special protective equipment for fire fighting:

Respiratory and eye protection required for fire fighting personnel.

Other information:

gases:

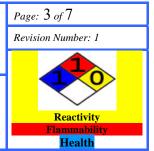
Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited. If thermally decomposed, flammable/toxic gases may be released. Toxic gases will form upon combustion. Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid creating dusty conditions and prevent wind

dispersal. Use suitable protective equipment .Keep away from sources of ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilating,

lighting and material handling) equipment.

Environmental precautions: No special measures required.

Methods for cleaning up and disposal: Small spill and leak - Vacuum or sweep up

material and place in a designated lapelled waste container. Clean up affected area with a large

amount of water.

Large spill and leak - Use explosion-proof electrical (ventilating, lighting and material

handling) equipment.

Other information: Consult an expert on disposal of recovered

material and ensure conformity to local disposal regulations. Recover the spilled material and place in suitable containers for recycle or

disposal.

7. HANDLING AND STORAGE

The regulations relating to storage premises apply to workshop where the product is handled:

Handling: Use with adequate ventilation. Local exhaust

ventilation should be provided. Avoid creating dusty conditions and prevent wind dispersal. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Take measures against static discharge. Keep away

from sources of ignition.

Storage: Store in a fireproof location. Keep away from

incompatible materials and avoid specific conditions. Containers should be grounded. Take precautionary measures against electrostatic discharges. Do not stack more than 2 pallets high in connection with risk of falling over. Do not stack pallets with grades containing slip or Anti-Block (AB) additives. Protect from (sun) light.

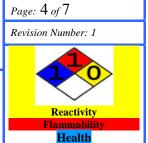
Keep in a dry place.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values: 5 mg/m3 (respirable dust), and 15 mg/m3 (total

dust) based on the OSHA PEL for nuisance dust. The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. NPC recommends that the lower exposure levels be observed as reasonable worker protection.

Exposure controls: Local exhaust ventilation of process equipment

may be needed to control particulate exposures to

below the recommended exposure limit.

Personal protective equipment: For open systems at ambient temperature (-18 to

38 degrees C) where contact is likely, wear safety glasses with side shields. Where contact may occur with hot material, wear thermal resistant gloves,

arm protection, and a face shield.

Eye protection: Safety glasses with side shields. Respiratory protection: Wear dust protection mask P2.

Hand protection: When handling hot material, wear heat-resistant

protective gloves that are able to withstand the

temperature of molten product.

Skin and body protection: Working clothes. Health measures: Not available

Environmental exposure controls: Plastic pellets are defined as a "significant

material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act

violations.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information: None

Appearance (at 20°C): Solid. (Granular solid. Powder.)

Colour: Off-white. Odour: mild

PH (at 20° C): Not applicable. Boiling point/range (°C): Decomposes. >300 °C Flash point (°C): >343°C (650F)

Flammability: Flammability Risk 1 (Slight)

Auto-ignition temperature: > 343 °C

Explosive properties: None

Oxidising properties: None

Vapour pressure (at 20°C):

Density (at 20°C):

Not available
0.91 to 0.94 g/cm3

Solubility (at 20°C): water solubility: Insoluble in cold water



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solubility in fats: Insoluble

Viscosity (40°C): Not applicable **Evaporation rate:** Not applicable

Other information: Insoluble in almost all solvents at room

temperature; soluble in many organic solvents above 93 deg C; may "swell" by absorption of

solvents below 60 deg C

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage and

handling conditions

Conditions to avoid: Temperatures over 650 F (343 C) will lead to

> resin degradation and decomposition. Keep away from heat, sparks and flame and exposure to (sun) light. Prevent formation of dust clouds. Take measures against static discharge. Avoid

storage or contact with strong oxidizing agents

Material to avoid: Fluorine Strong Oxidizing agents. **Hazardous decomposition products:**

Highly dependent on temperature and environmental conditions, a variety of

decomposition products may be formed, such as

low molecular weight hydrocarbons and

hydrocarbon oxidation products (acids, ketons,

and aldehydes).

11. TOXICOLOGICAL INFORMATION

Sub chronic – chronic toxicity:

Sensibilization:

Carcinogenicity:

Reproductive effects:

Human experience:

- LD₅₀, oral, rat (mg.kg⁻¹): >5000 mg/kg Acute toxicity:

- LD₅₀, oral, mouse (mg.kg⁻¹): Not Available

- LD₅₀, dermal (mg.kg⁻¹): Not Available

None

Not available

Carcinogenic effects are not known. Reproductive effects are not known.

Not available

Other information: During heating and processing of the material

small amounts of free monomer may evaporate resulting in airborne concentration that may cause irritating effects of the respiratory tract

and nausea.



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12. ECOLOGICAL INFORMATION

Ecotoxicity: No specific ecological data are available for this

product.

Bioaccumulative potential: Effects on nature due to bioaccumulation are nit

known.

Mobility: No specific ecological data are available for this

product.

Persistence and degradability: No specific ecological data are available for this

product.

Other adverse effects: No specific ecological data are available for this

product.

13. DISPOSAL CONSIDERATIONS

Disposal of product: Waste must be disposed of in accordance with

national and local environmental regulations. Polyethylene bags should be reused in the

Disposal of packaging:

Polyethylene bags should be reused in the working area, products transportation or

recycled by specialized companies.

14. TRANSPORT INFORMATION

Land transport:Not establishedADR/RID:Not establishedPackaging group:Not applicableMaritime transport:Not applicableAir transport:Not applicable

15. REGULATORY INFORMATION

Hazardous label(s): NPCA-HMIS - NFPA - KEY

HEALTH 1 1 4=Severe
FLAMMABILITY 1 1 3=Serious
REACTIVITY 0 0 2=Moderate

1=Slight 0=Minimal

Safety phrases: This product is not hazardous Risk phrases: This product is not hazardous



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16. OTHER INFORMATION

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC

Disclaimer of liability:

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