

MATERIAL SAFETY DATA SHEET – LDPE bags

Product identification : Low density polythene
Information on ingredients : Approximately > 99% polythene & < 1% additive.

Hazard identification

Corrosive material : No
Explosive material : No
Flammable material : It burns easily under fire
Reactive material : No
Toxic material : No

Fire fighting measures

Suitable fire fighting agents : Water spray foam, carbon dioxide, dry chemicals
Precautions to be observed : Dense smoke and hazardous gases (carbon monoxide and carbon dioxide) will be emitted when burned without sufficient oxygen. Resin when melted will spread on floor and catch fire easily.
Protective clothing : Wear appropriate safety equipment for fire conditions (including positive pressure self contained apparatus (SCBA) and protective fire fighting garments.

Handling and storage

LDPE bags are non-hazardous and pose no health risk when handled under normal conditions. LDPE bags are to be stored away from heat or flames. Good housekeeping practice is recommended to prevent the accumulation of dust. Avoid contact with chlorinated solvents and other hot strong oxidants.

Physical and chemical properties

Odour : Odourless
Boiling point : Not applicable
Melting points / range : 106 – 112C
Vapour pressure and density : Not applicable
Specific gravity (H₂O≈1) : 0.91 – 0.93

Physical and chemical properties cont...

Solubility in water	:	Not soluble
Solubility in other liquid	:	Soluble in hot aromatic, chlorinated solvents
Viscosity	:	Not applicable
PH	:	Not applicable
Flash point	:	Not applicable
Flammability limits	:	Not applicable
Autoignition temperature	:	Not applicable

Stability and reactivity

Stability	:	Stable
Thermal decomposition temp.	:	> 300°C
Incompatible materials	:	Hot aromatic, chlorinated solvents and hot strong oxidants
Conditions to avoid	:	Not applicable
Hazardous decomposition product	:	Carbon monoxide and carbon dioxide may be generated
Hazardous polymerisation	:	Will not occur

Over exposure and toxicological information

LDPE bags do not emit vapors. If poorly stored accumulated dust may produce irritation to the mucous membrane of the nose, throat and upper respiratory tract. LDPE bags are essentially non-irritating but contact with molten resin can cause severe burns. LDPE bags are made from resins which are inert and harmless, ingestion must be avoided and choking can occur if swallowed.

Regulatory information

FDA (Food and Drug Administration) compliant. Compliance codes: 177.1520, 178.3295, 182.3173, 181.24, 177.1010, 178.3570, 179.45, 175.105, 176.2600, 176.2010, 175.320, 177.1350 and 172.480.

All substances present in resin (Grade HT A001 HD) used to produce our LDPE bags are authorized without any restriction and comply with the EEC Directive 96/11/EC relating to Plastics Material and articles intended to come in direct contact.

The polythene resin used to produce our LDPE bags has been certified safe for food contact applications and complies with the following standards:

- Belgium : Moniteur Beige, Arrete Royal du 25 Aout 1976, annexe 3 and subsequent modifications.
- France : Repression des Fraudes No. 1227 11° edition, Arvil 1990 – Decret No. 73-138 of February 12, 1973 and subsequent modifications and additions.
- Germany : BGA, Empfehung III, Polyethylen stand : 10.5.1995
- Italy : Decreto Ministeriale, March 21st 1973 publicised in the Gazzetta Ufficiale No. 104 of April 20th 1973 and subsequent amendments.
- Netherlands : “Warenwet” of 29th August 1991 and subsequent modifications
- UK : Bira, Code of Practice (1988)
- USA : FDA code of Federal Regulations, Title 21, Chapter 1 177.1520 (1991)
- EEC : Commission Directive 90/128/EEC of 1st January 1991 and subsequent amendments.
- Switzerland : Verordnung fur Gebrauchsgegenstande, 1st March 1995

3rd November 2005

Food Safe Compliance Certificate Magic Seal, HMHDPE and HDPE Singlet Bags

Our LDPE magic seal bags, HMHDPE bags and HDPE singlet bags are made from resins which are classified Food safe and compliant with United States Food and Drug Administration (FDA) Regulation No 21 CFR, chapter 1, section 177 – 1520) and European Directive (94 / 62 EC).

Get Packed P/L certifies the following heavy metals and prohibited substances are not used during the manufacture of our LDPE magic seal bags, HMHDPE bags and HDPE singlet bags.

Heavy Metals

Cadmium

Mercury

Hexavalent Chromium

Antimony

Arsenic

Barium

Selenium

Lead

Prohibited substances

Pentabromo diphenyl ether (Penta BDE)

Octobromo diphenyl ether (Octa BDE)

Polybrominated biphenyl (PBB)

Polybrominated diphenyl (PBDE)

MATERIAL SAFETY DATA SHEET

16th May 2007

POLYMER PELLETS USED TO PRODUCE LDPE BAGS AND FILM

Product and chemical identification

Chemical family : Polyolefin
Product description : Homopolymer

Physical and chemical hazards

Polymer burns when ignited. Polymer will melt during a fire and may generate drops that could propagate the fire. Toxic gases will form upon decomposition. Material in the form of dust is subject to explosions. Product can accumulate electrostatic charges when rubbed, chafed, or abraded. Static discharge in the presence of volatile or flammable mixtures presents a potential fire explosion hazard.

First Aid Measures

Inhalation

In the case of adverse exposure to vapours and or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped and call for prompt medical attention.

Skin contact

First aid is not required. 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 from skin or remove contaminated clothing, the damaged flesh can be easily torn.

Eye contact

The product is an inert solid. If in the eye, remove, as one would do for any foreign object by flushing with water. If irritation occurs, obtain medical attention.

Ingestion

First aid is normally not required.