

SAFETY DATA SHEET

PRODUCTS NAME : CLEAN LDPE - CLEAN HDPE – CLEAN PP

Page : 1 / 4

Products Code : 10439POLY - 10552POLY - 10571POLY

Version : h

Date : 25/03/2008

01 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of Products : a) CLEAN LDPE - b) CLEAN HDPE – c) CLEAN PP

Supplier : POLYTECHS SA

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02 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION : a) Low density polyethylene (LDPE) - b) High density polyethylene (HDPE) – c) Polypropylene (PP)

Chemical Family : Polyolefin

Hazardous Impurities and Additives : None

03 - HAZARDS IDENTIFICATION

Main Hazards : Not classified as hazardous

Health effects :

- Eyes : Fine dust may cause irritation. Fumes from heated material may cause more severe irritation
- Skin : normally not irritant. Fumes from heated material may be irritating and corrosive.
Contact with hot material may cause thermal burns
- Ingestion : inert
- Inhalation : Fine dust and fumes from heated material may cause irritation.

Physical and Chemical Hazards : None

04 - FIRST AID MEASURES

- Eye contact : Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Get medical attention if soreness or redness persists.
- Skin contact : wash skin thoroughly with soap and water. Get medical attention if irritation persists. If burned by contact with hot material, flush skin immediately with large amounts of cold water. If possible, submerge area in cold water. No attempt should be made to detach polymer adhering to the skin or to remove clothing attached with molten material. Thermal burns require immediate medical attention.
- Ingestion : in case of ingestion of large quantities, get medical attention.
- Inhalation : if affected by fumes from heated material, remove from source of exposure and move the affected person into fresh air. Get medical attention if the symptoms continue.

05 – FIRE-FIGHTING MEASURES

Suitable extinguishing media :

Water Spray

CO2

Foam

Dry powder

Inadvisable extinguishing media :

Pressurised nozzle

Hazardous combustion products :

Under Oxygen lean conditions, CO and CO2 are released
In case of fire, firefighters should wear self-contained breathing apparatus.

SAFETY DATA SHEET

PRODUCTS NAME : CLEAN LDPE - CLEAN HDPE – CLEAN PP

Page : 2 / 4

Products Code : 10439POLY - 10552POLY - 10571POLY

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Date : 25/03/2008

06 – ACCIDENTAL RELEASE MEASURES

Personal precautions : Granules spilled on the floor can cause slipping. Avoid creating a dust cloud

Environmental precautions : If the material has been released into a stream or a public sewer or other Drainage system, inform the appropriate authorities.

Method for cleaning up : Sweep up spilled granules to avoid slippery floors.
Bury on an authorised landfill site or incinerate under approved controlled conditions

07 – HANDLING AND STORAGE

Handling : Avoid contact with heated or molten product. Thermal burns are the most common injury caused while processing molten purging PE. There is a risk of being splashed with molten materials, for example when purging or starting up an extruder or injection moulding machine. Do not inhale fumes or vapour from molten product. Use local exhaust ventilation over processing area.
PE materials, especially in powder form, can give rise to dust during handling. PE dust is a nuisance dust and is classified as flammable. As a consequence, generation and accumulation of dust, for instance in cutting or granulating areas, must be avoided.
Pneumatic conveying of powder and pellets can generate large static electrical charges. Electrical discharge in presence of air can cause an explosion. Earth all equipment.

Storage : The main hazards are related to pallet stock slippage and forklift truck manœuvres, which can cause injury to personnel. It is recommend that adequate procedures covering storage and handling of pallets are established and maintained. These procedures must be kept up to date and regularly audited.
Do not store near highly flammable materials, and store away from sources of heat. Keep away from direct sunlight.

08 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures : Use only in well ventilated areas

CONTROL PARAMETERS

EQUIPMENT OF PERSONAL PROTECTION

Respiratory protection : When dust and powder are not adequately controlled, use protection mask

Hand protection : When handling molten material, wear gloves

Eye protection : If risk of exposure to dust or splashing material, wear safety glasses.

Skin and body protection : Wear appropriate safety clothes

SAFETY DATA SHEET

PRODUCTS NAME : CLEAN LDPE - CLEAN HDPE – CLEAN PP

Page : 3 / 4

Products Code : 10439POLY - 10552POLY - 10571POLY

Version : h

Date : 17/03/2008

09 - PHYSICAL AND CHEMICAL PROPERTIES

- Physical state :	Solid
- Form :	Granules
- Colour :	Greyish
- Odour	Odourless
- Melting point :	a) About 110°C - b) About 130°C – c) About 165°C
- Density	a) 0.99 - b) 1.04 – c) 0.99
- Solubility in water	Insoluble
- Decomposition temperature	Above temp-range 250°-260°C decomposition occurs and flash or fumes may occur

10 - STABILITY AND REACTIVITY

Stability :	Stable under normal conditions.
	Although heating above temp-range 250°-260°C in air may produce carbon monoxide, carbon dioxide, and traces of hydrocarbons, aldehydes, and organic acids.

11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (DL50)

- Inhalation :	Non toxic
- Skin contact :	

LOCAL EFFECTS

- Skin contact for rabbit :	Non irritant
- Eye contact for rabbit :	Non irritant
- Sensitisation :	Negative

12 - ECOLOGICAL INFORMATION

Mobility :	If released to water the product will float
Degradability :	Not biodegradable
Bioaccumulation :	Not toxic
Ecotoxicity :	

13 - DISPOSAL CONSIDERATIONS

Waste and residue :	Incinerate in authorised incinerators
Contaminated or used packaging :	For non-recycled packaging, incinerate in authorised incinerators. PE packaging can be recycled.
Regulations (FRANCE) :	Waste : Decree 77-974 from 19/08/77 (JO 28/08/77) - Non concerned Waste : Decree from 04/01/85 (JO 16/02/85)
Container disposal :	Empty containers should be recovered for reuse or recycling or disposed of in landfills in accordance with local regulations

14 - TRANSPORT INFORMATION

Material not classified as dangerous regarding transport Directives : (UN ; ADR ; RID ; IMDG ; IATA)

SAFETY DATA SHEET

PRODUCTS NAME : CLEAN LDPE - CLEAN HDPE – CLEAN PP

Page : 4 / 4

Products Code : 10439POLY - 10552POLY - 10571POLY

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15 - REGULATORY INFORMATION

Classification and labelling according to EEC

Directives :

- Symbols :

- R phrases : Not applicable

- S phrases : Not applicable

- Hold in :

National directives (FRANCE) :

No labelling required according to Ministry of Employment Decree from 20/4/94.

- Professional illness

Code SS article L461-1 to 8 : Non applicable

- Prohibited works

. Articles R 234-9 and 10 (Women) : Non applicable

. Articles R 234-16 and 20 and 21 (- 16 years old)

. Articles R 234-16 and 20 and 21 (- 18 years old) : Non applicable

. Decree from 19/02/85 (Temporary work) : Non applicable

- Special medical supervision Decree from 11/07/1977 and n° 10 from 29/04/80 : Non applicable

- Classified installations law n° 76-663 from 19/07/1976 : Non applicable

. Decree from 07/07/1992

16 - OTHER INFORMATION

There is no shelf life for CLEAN LDPE –CLEAN HDPE – CLEAN PP if stored in a dry warehouse at ambient temperature.

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Page Number : 4

Document in accordance with EEC Directives 91/155/EEC and 2001/58/CE.