

Subject to the Regulation 2001/58/EC

Product Name : LDPE and HDPE Film

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

IDENTIFICATION OF THE SUBSTANCE: POLYETHYLENE OF LOW AND HIGH DENSITY

This is a polymer substance

CHEMICAL FAMILY: Polyolefin

The main end use of this product is to protect furniture, floors and walls during painting works

PRODUCT DESCRIPTION:

Homo- and Copolymer

Supplier: MULTIPLAST
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This SDS has been printed in the English language and meets the EU safety Data Sheet requirements for this product according to directive 2001/58/CE. No country specific information is included.

2. COMPOSITION/INFORMATION ON INGREDIENTS

THE PRODUCT MAY CONTAIN VARYING LEVELS OF ADDITIVES

(SEE TECHNICAL DATA SHEET)

Components that have to be reported: NONE

3. HAZARDS IDENTIFICATION

This product is **not** classified as dangerous, according to Directive 1999/45/EC or 67/548/EEC (see Section 15)

CLASSIFICATION/SYMBOL: Not Regulated

PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS

Polymer can burn when ignited (for example when exposed to an external heat source). During a fire, the polymer will melt and may generate drops that could propagate the fire.

- Toxic gases will form upon combustion. See Section 5 "FIRE-FIGHTING MEASURES"
- Decomposes. Flammable/toxic gases will form upon decomposition. (see Section 10 "STABILITY AND REACTIVITY").
- Dust. Material in term 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 or explosion hazard

4. FIRST AID MEASURES

INHALATION:

- In 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. Keep at rest. Call for prompt medical attention.

SKIN CONTACT:

- First aid is normally 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 material from skin or to remove contaminated clothing, as the damaged flash can be easily torn.

EYE CONTACT:

- This 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.

5. FIRE-FIGHTING MEASURES

FIRE FIGHTING PROCEDURES:

- Use water spray to cool fire exposed surfaces and to protect personnel. Block the supply to the fire.
- Extinguish the fire by cooling with water spray.

FIRE PRECAUTIONS:

- Respiratory and eye protection required for fire fighting personnel.
- See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

HAZARDOUS COMBUSTION PRODUCTS:

- Under Oxygen lean conditions, Carbon Monoxide (CO) and irritating smoke may be produced.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL;

- Spilled film layers present a slippage hazard on hard surfaces.
- Sweep up spilled material and place in suitable containers for recycle or disposal.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

WATER SPILL;

- Stop source if possible to do so without hazard. Advise authorities of possible floating substances, if material enters watercourses or sewers. Confine if possible.
- Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations
- See also Section 4 "FIRST AID MEASURES" and Section 10 "STABILITY AND REACTIVITY"

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (DegC): Ambient

TRANSPORT TEMPERATURE (DegC): Ambient

LOADING/UNLOADING TEMPERATURE: Ambient

VISCOSITY: Not Applicable

STORAGE/TRANSPORT PRESSURE (kPa): Atmospheric

Electrostatic accumulation hazard: Yes, use proper grounding procedure

USUAL SHIPPING CONTAINERS:

Stretch wrapped reels on Pallets

STORAGE / HANDLING, GENERAL NOTES

- Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated place away from incompatible material.
- DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.
- Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.
- Adequate ventilation should be applied during storage and transport, and care should be taken to eliminate all sources of ignition

- The polymer may release very low volatiles (residual monomers, decomposition products) during sealing or welding at varying levels depending on processing conditions (temperature, line speed). Most of these volatile products may readily ignite at ambient temperatures in contact with ignition sources. Local exhaust ventilation should be applied
- Care should be taken to eliminate all sources of ignition.
- Care should be taken when storing and handling this product. Apart from the specific nature of the polymer product, conditions such as humidity, sunlight, and temperature have an influence on the way the product behaves during storage and handling. Special attention should be paid to avoid inappropriate stacking of palletized bags or other package units. Indeed, polymer products may be dimensionally unstable under certain conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES / Ventilation

- Local exhaust ventilation of process equipment may be needed to control exposures to below the recommended threshold exposure limit.

OCCUPATIONAL EXPOSURE LIMITS

- This product contains material which when handled under certain conditions (open heating and/or mechanical shear), may release the following components(e) with a recognized or recommended OEL value
- Particulates (insoluble);
TWA: 10 mg/m³, for inhalable particulates (PNOS) containing no asbestos and <1% crystalline silica, ACGIH (2002).
- Particulates (insoluble);
TWA: 3 mg/m³. For respirable particulates (PNOS) containing no asbestos and <1% crystalline silica, ACGIH (2002).

Monitoring Equipment

- Users may gather monitoring methods and related information by contacting the following authorities,
- ACGIH (American Conference of Governmental Industry Hygienists)

PERSONAL PROTECTION

GENERAL ADVICE

- The use and choice of Personal Protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general we recommend as a minimum safety precaution that glasses with side-shields and work clothes protecting arms, legs and body be used. In addition, any person visiting an area where this product is handled or processed should at least wear safety glasses with side-shields.

SPECIAL ADVICE

- Based on and limited of our experience of this product as such, the following special advice is believed to provide satisfactory protection for the industrial user or handler.

RESPIRATORY PROTECTION

Where concentrations in air may exceed the limits given in this section, it is recommended to use a nuisance dust mask to protect from overexposure by inhalation.

HAND PROTECTION

When handling this product, it is recommended to wear regular work gloves if required.

EYE PROTECTION

When handling this product hot, it is recommended to wear safety glasses and preferably a face shield to protect from splashes of hot material.

SKIN /BODY PROTECTION

When handling this product hot, it is recommended to protect arms and body from splashes of hot material.

ENVIRONMENTAL EXPOSURE CONTROLS

See Section 12

9. PHYSICAL AND CHEMICAL PROPERTIES

These are indicative values only and should not be regarded as product specification.

GENERAL INFORMATION

PHYSICAL STATE: Solid

FORM/COLOUR: Clear to opaque, white to off-white solid pellets

ODOUR: Odourless

MELTING TEMPERATURE RANGE: between 70 and 140° C

CRYSTALLIZATION TEMPERATURE RANGE: between 90 and 95° C

VAPOUR PRESSURE (DegC); kPa Not Applicable

BULK DENSITY: between 0.50 and 1.00 kg/dm³

SPECIFIC GRAVITY; between 0.90 and 1.10 kg/dm³

VAPOUR DENSITY (101.3 kPa/air=1): Not Applicable

VISCOSITY: Not Applicable

EVAPORATION RATE (n-Bu Acetate= 1): Not Applicable

HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

AUTO IGNITION TEMPERATURE: Not Applicable

EXPLOSIVE LIMITS (in air); 20g/m³ (as powder)

SOLUBILITY IN WATER (DegC): Not Applicable

OTHER INFORMATION

MOLECULAR WIGHT: upon specific request

coeff. OF THERMAL EXPANSION Not Applicable

IS MATERIAL HYGROSCOPIC: No

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERISATION? No

CONDITIONS TO AVOID POLYMERISATION: Not Applicable.

STABILITY: Stable

CONDITIONS TO AVOID INSTABILITY: Avoid contact with strong oxidizers, Avoid reaching decomposition temperature.

MATERIALS AND CONDITIONS TO AVOID (INCOMPATIBILITY): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide (CO₂). Carbon, flammable Hydrocarbons and Fumes

11. TOXICOLOGICAL INFORMATION

ACUTE:

INHALATION:

- Negligible hazard at ambient temperature (-18 to 38 Deg C).
- Vapours and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
- Dust may be irritating to eyes and respiratory tract.

SKIN CONTACT:

- Negligible hazard at ambient
- Exposure to hot material may cause thermal burns

EYE CONTACT:

- Particulates may scratch eye surfaces/cause mechanical irritation.

INGESTION:

- Minimal toxicity

Additional information is available on special request

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL MOBILITY

- This substance is a polymer, is insoluble in water and floats.

ENVIRONMENTAL DEGRADABILITY:

- This product is expected to persist.

ECOLOGICAL AND BIOACCUMULATION

- No acute toxicity to aquatic organism is expected due to its low solubility in water.
- Toxicity to terrestrial organism is not expected.

13. DISPOSAL CONSIDERATIONS

- The waste category of this product is '07 02 13'. The user must be aware that the conditions of use may affect the waste classification after use. Please refer to Directive 2001/118/EC for waste nomenclature.
- Combination with other materials may well indicate another route of disposal. If in doubt, contact the local Authorities. Empty packaging or scrap should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with EC, national and local regulations.
- Suitable routes of disposal of this product are incineration in appropriate incinerators with energy recovery, disposal in landfills or appropriate recycling methods.

14. TRANSPORT INFORMATION

LAND (RAILROAD/ROAD) – RID/ADR

- This product is not regulated for road/rail transport.

INLAND WATERWAYS (ADN/ADNR)

- This product is not regulated for inland waterways transport.

SEA (IMDG)

- This product is not regulated for sea transport

AIR (ICAO/IATA)

- This product is not regulated for air transport

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELLING ACCORDING TO EC DIRECTIVES

- CLASSIFICATION / SYMBOL. Not Regulated

GOVERNING DIRECTIVE,

- Dangerous Substances Directive 67/548/EC, as modified
- Please refer to section 16 for the text of all the "R" phrases mentioned in this document

16. OTHER INFORMATION

The information and recommendation contained herein are, to the best of OUR COMPANIES knowledge and belief, accurate and reliable as of the date issued. OUR COMPANY assumes no responsibility for accuracy of information unless the document is the most current available from an official our company distribution system. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. Buyer who convert this product, legal counsel should be consulted insure proper health, safety and other necessary information. Appropriate warning and safe-handling procedures should be provided to users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. The term our company is: used for convenience and may include any or more of our group in which they directly or indirectly hold any interest