

# MATERIAL SAFETY DATA SHEET

Product LDPE  
Dated 20 June 2019  
Version 2019-1  
Doc ID RP-MSDS-007



**PRODUCT** Low Density Polyethylene

**SCOPE** All product codes commencing with 'L' 'LD' 'LDH'

**MATERIAL** Natural Low Density Polyethylene (LDPE)

**RECYCLE CODE** Incinerate or bury in landfill as permitted by Local Regulations

## HAZARD IDENTIFICATION

None

## FIRST AID MEASURES

Exposure Limits: None established  
Acute Effects of Overexposure: None currently known  
Emergency First Aid Procedure: None

## FIRE FIGHTING MEASURES

Auto Ignition Temperature: Generally 260 – 320 degrees Celsius depending on individual product composition

Fire Extinguishing Media: Water spray, universal type foams, CO2, Dry Chemicals

Special Fire Fighting Procedures: Breathing apparatus

Special Fire and Explosion Hazards: Avoid accumulation of dust to reduce explosion potential

## ACCIDENTAL RELEASE MEASURES

Bag on Floor: Accidentally stepping on may cause risk of slipping due to smooth surface. Good house keeping must be maintained to avoid potential slipping problem

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## HANDLING AND STORAGE

Precautions in Handling: Do not store near heat, flame, strong oxidants or under sunlight  
Precautions in Storage: Good housekeeping and controlling of dusts are necessary for safe handling of product

## EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Recommended use of approved air respirator in the event that dust appears  
Ventilation (Mechanical): Provide ventilation equal to outdoor  
Protective Gloves: Not needed  
Protective Eyewear: Not needed

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent  
Odour: Negligible Odour  
Melt Index: 0.02 – 30 dg/min  
Density / Specific Gravity: 0.920 – 0.935 g/cm<sup>3</sup>  
Melting Point: 115-135 degrees Celsius  
Softening Point: 100-128 degrees Celsius

## STABILITY AND REACTIVITY

Stability: Stable  
Condition to avoid instability: Temperatures over 130 degrees Celsius may cause product to melt  
Incompatibility: None  
Hazardous decomposition products: Decomposition can produce carbon dioxide and or carbon monoxide and minor amounts of organic vapour

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## TOXICOLOGICAL INFORMATION

Toxicity: Not available

## ECOLOGICAL INFORMATION

Mobility: Floats on water  
Persistence / degradability: This product is not biodegradable

## FDA DECLARATION

All raw materials used in the production of the above product comply with Regulation 21 CFR 177.1520 of the US Food and Drug Administration for food contact application.

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ISO 9001 applicable to TAS and WA