



**SAFETY DATA SHEET**  
**LINEAR LOW DENSITY POLYETHYLENE (LLDPE)**  
**REVISION 5, DATE 01 APR 22**

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Linear Low Density Polyethylene (LLDPE)</b>
<b>Other Names</b>	Ethylene, polymer with 1-butene; Ethylene-butene, copolymer; EXELENE LLDPE; LLDPE-butene
<b>Uses</b>	Raw material for different industrial uses; extrusion and compounding, plastic molding, molded articles, films and coatings.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	(C <sub>4</sub> H <sub>8</sub> .C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>
<b>Chemical Name</b>	1-Butene, polymer with ethene
<b>Product Description</b>	No Data Available

### Contact Details of the Supplier of this Safety Data Sheet

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

## 2. HAZARD IDENTIFICATION

### Poisons Schedule (Aust)

Not Scheduled

Redox Ltd  
Corporate Office Sydney  
Locked Bag 15 Minto NSW 2566 Australia  
2 Swettenham Road Minto NSW 2566 Australia  
All Deliveries: 4 Holmes Road Minto NSW 2566 Australia

Phone +61 2 9733 3000  
Fax +61 2 9733 3111  
E-mail [sydney@redox.com](mailto:sydney@redox.com)  
Web [www.redox.com](http://www.redox.com)  
ABN 92 000 762 345

Australia  
Adelaide  
Brisbane  
Melbourne  
Perth  
Sydney

New Zealand  
Auckland  
Christchurch  
Hawke's Bay  
UK  
London

Malaysia  
Kuala Lumpur  
USA  
Los Angeles  
Oakland  
Mexico  
Saltillo



## Globally Harmonised System

<b>Hazard Classification</b>	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
<b>Signal Word</b>	None

## National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

<b>Hazard Classification</b>	NOT hazardous according to the criteria of Safe Work Australia under Model WHS Regulations
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Ethylene, polymer with 1-butene	(C <sub>4</sub> H <sub>8</sub> .C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>	25087-34-7	>=98 %
Additives	Unspecified	Unspecified	<=2 %

## 4. FIRST AID MEASURES

## Description of necessary measures according to routes of exposure

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth and gargle with plenty of water. Get medical advice/attention. May cause gastrointestinal blockage. Do not give laxative. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
<b>Eye</b>	IF IN EYES: Do not rub the eyes! Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention. *For thermal eye burns, immediately flush eyes with running water for 5-15 minutes. Do not remove contact lenses, if worn. Seek medical attention immediately, preferably an ophthalmologist.
<b>Skin</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention. *If molten polymer comes in contact with the skin, cool rapidly with cold water or running water. Do not pull solidified polymer off the skin. Seek medical attention immediately.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.
<b>Advice to Doctor</b>	Treat symptomatically and supportively. *Most important symptoms and effects, both acute and delayed: Skin and eye burns from molten product. Skin and eye irritation from product dusts. Irritated respiratory tract from dust inhalation.
<b>Medical Conditions Aggravated by Exposure</b>	Exposure may aggravate disorders of the eyes, skin, gastrointestinal tract and respiratory system.

**5. FIRE FIGHTING MEASURES**

<b>General Measures</b>	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal. *If material is molten, do not apply direct water stream. Use fine water spray or foam.
<b>Flammability Conditions</b>	May burn but does not ignite readily.
<b>Extinguishing Media</b>	Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction. Do not scatter spilled material with high-pressure water streams. *Use fire extinguishing methods suitable to surrounding conditions.
<b>Fire and Explosion Hazard</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Hazardous Products of Combustion</b>	Fire may produce irritating and/or toxic gases, including Carbon oxides, other organic vapours and soot.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may cause pollution.
<b>Personal Protective Equipment</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	No Data Available

**6. ACCIDENTAL RELEASE MEASURES**

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through spilled material - Material creates a slipping hazard on hard surfaces! Clean up spills from walking surfaces immediately. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Sweep or shovel into suitable, designated and labelled waste container. Dispose of contaminated material at an authorised site (see SECTION 13).
<b>Containment</b>	Stop leak if you can do it without risk. Prevent dust cloud. Prevent entry into waterways, sewers, basements or confined areas.
<b>Decontamination</b>	No information available.
<b>Environmental Precautionary Measures</b>	Avoid dispersal of spilled material and contact with soil, waterways, sewers and groundwater.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
<b>Personal Precautionary Measures</b>	Use personal protective equipment as required (see SECTION 8).

**7. HANDLING AND STORAGE**

<b>Handling</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust/process fumes and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Pneumatic conveying of powder and pellets and other mechanical handling operations can generate large static electrical charges - Dust can be ignited by static electrical discharge. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Worker should handle the container with appropriate apparatus such as forklift and handlift.
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<b>Storage</b>	Store in a cool (below 50 °C), dry and well-ventilated place, out of direct sunlight. Avoid prolonged storage at elevated temperature. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and sources of ignition - No smoking. Electrically bond and ground equipment to reduce the potential for dust explosions. Keep away from foodstuffs and incompatible materials (see SECTION 10). Use appropriate containment to avoid environmental contamination.
<b>Container</b>	Keep in the original container. Do not store in unlabelled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3; TWA = 3 mg/m3 (respirable dust).
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	Ensure adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Personal Protection Equipment</b>	- Respiratory protection: A properly fitted air purifying respirator or air supplied respirator should be worn if a risk assessment indicates that respiratory protection is necessary. Respirator selection must be based upon known or measured levels of exposure (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Use safety glasses with side shields. If this material is heated and there is potential for dust, wear chemical goggles. - Hand protection: Handle with gloves. Use gloves to protect from mechanical injury. Chemical protective gloves should not be needed when handling this material. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. At ambient temperatures use of clean and protective clothing is good industrial practice. If this material is heated, wear insulated clothing to prevent skin contact.
<b>Special Hazards Precautions</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
<b>Work Hygienic Practices</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Always wash hands after handling the product. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Pellets or powder
<b>Odour</b>	Odourless or light
<b>Colour</b>	Clear to opaque, whitish
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	120 - 136 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Insoluble in water
<b>Specific Gravity</b>	0.89 - 0.98 (Water = 1)

<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	>300 °C
<b>Density</b>	0.90 - 0.94 g/cm3
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No information available.
<b>Potential for Dust Explosion</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	May burn but does not ignite readily.
<b>Reactions That Release Gases or Vapours</b>	Burning can produce carbon monoxide and/or carbon dioxide and other harmful products. The decomposition products are low molecular weight oligomers, hydrocarbons and hydrocarbon oxidation product (aldehydes, alcohols, organic acids) depending on temperature and air availability.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	No dangerous reaction known under conditions of normal use. Exposure to elevated temperatures can cause product to decompose (temperature should less than 300 °C).
<b>Chemical Stability</b>	The product is stable at normal handling and storage conditions.
<b>Conditions to Avoid</b>	Avoid generating dust. Keep away from heat and sources of ignition. Avoid the build-up of electrostatic charge. *Avoid prolonged storage at elevated temperature.
<b>Materials to Avoid</b>	Incompatible/reactive with strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Burning can produce carbon monoxide and/or carbon dioxide and other harmful products. The decomposition products are low molecular weight oligomers, hydrocarbons and hydrocarbon oxidation product (aldehydes, alcohols, organic acids) depending on temperature and air availability.
<b>Hazardous Polymerisation</b>	Polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION****General Information**

Information on toxicological effects:

- Acute toxicity: No information available.
- Skin corrosion/irritation: No information available.
- Serious eye damage/irritation: No information available.
- Respiratory/skin sensitisation: No information available.
- Germ cell mutagenicity: No information available.
- Carcinogenicity: No information available.
- Reproductive toxicity: No information available.
- STOT (single exposure): No information available.
- STOT (repeated exposure): No information available.
- Aspiration toxicity: No information available.

Information on likely routes of exposure:

- Ingestion: No effects are expected for ingestion of small amounts. May cause choking if swallowed.
  - Eye contact: Dust may cause eye irritation upon repetitive or prolonged exposure. Molten polymer may cause serious thermal burns. Vapours released during thermal processing may cause eye irritation experienced as mild discomfort and redness.
  - Skin contact: Non-irritating to skin. Mechanical injury only. Molten polymer may cause serious thermal burns.
  - Inhalation: Irritated respiratory tract from dust inhalation.
- Chronic effects: No information available.

**Carcinogen Category**

None

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not expected to be acutely toxic, but material in pellet form may mechanically cause adverse effects if ingested by waterfowl or aquatic life.

**Persistence/Degradability**

Not easily biodegradable.

**Mobility**

This material is expected to remain in the soil and float on the water surface.

**Environmental Fate**

Avoid release to the environment.

**Bioaccumulation Potential**

This material is not expected to bioaccumulate because of the relatively high molecular weight (MW greater than 1000).

**Environmental Impact**

No Data Available

**13. DISPOSAL CONSIDERATIONS****General Information**

Recycle if possible. Do not reuse container. Do not dump into any sewers, on the ground or into any body of water. All disposal practices must be in compliance with official or local regulations.

**Special Precautions for Land Fill**

Waste characterisations and compliance with applicable regulations are the responsibility solely of the waste generator.

**14. TRANSPORT INFORMATION****Land Transport (Australia)**

ADG Code

**Proper Shipping Name**

Linear Low Density Polyethylene (LLDPE)

## SAFETY DATA SHEET LINEAR LOW DENSITY POLYETHYLENE (LLDPE) REVISION 5, DATE 01 APR 22

<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (India)

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (New Zealand)

NZS5433

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (Papua New Guinea)

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
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## SAFETY DATA SHEET LINEAR LOW DENSITY POLYETHYLENE (LLDPE) REVISION 5, DATE 01 APR 22

<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (Samoa)

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (Thailand)

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (United States of America)

US DOT

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Sea Transport

IMDG Code

<b>Proper Shipping Name</b>	Linear Low Density Polyethylene (LLDPE)
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## SAFETY DATA SHEET LINEAR LOW DENSITY POLYETHYLENE (LLDPE) REVISION 5, DATE 01 APR 22

Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

### Air Transport

IATA DGR

Proper Shipping Name	Linear Low Density Polyethylene (LLDPE)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for AIR transport.

### National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## 15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not Scheduled

### Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	Not Hazardous
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### National/Regional Inventories

Australia (AICC)	Listed
Canada (DSL)	Listed
Canada (NDSL)	Not Listed
China (IECSC)	Listed
Europe (EINECS)	607-541-7

Europe (REACH)	Not Determined
Japan (ENCS/METI)	6-18
Korea (KECI)	KE-04086
Malaysia (EHS Register)	Not Listed
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Listed
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Listed
USA (TSCA)	Listed

## 16. OTHER INFORMATION

### Related Product Codes

POETLI1717, POETLI1719, POETLI1720, POETLI1725, POETLI1726, POETLI1727, POETLI1728, POETLI1729, POETLI1730, POETLI1734, POETLI1735, POETLI1743, POETLI1745, POETLI1746, POETLI1747, POETLI1750, POETLI1751, POETLI1752, POETLI1771, POETLI1773, POETLI1775, POETLI3490, POETLI9001, POETLI9006, POETLL0140, POETLL1000, POETLL1001, POETLL1002, POETLL1003, POETLL1004, POETLL1005, POETLL1006, POETLL1007, POETLL1210, POETLL1221, POETLL1401, POETLL1402, POETLL1500, POETLL1700, POETLL1701, POETLL1702, POETLL1703, POETLL1704, POETLL1705, POETLL1706, POETLL1707, POETLL1708, POETLL1709, POETLL1710, POETLL1711, POETLL1712, POETLL1713, POETLL1714, POETLL1715, POETLL1716, POETLL1718, POETLL1719, POETLL1721, POETLL1731, POETLL1735, POETLL1736, POETLL1737, POETLL1738, POETLL1739, POETLL1740, POETLL1741, POETLL1742, POETLL1743, POETLL1746, POETLL1747, POETLL1748, POETLL1749, POETLL1750, POETLL1751, POETLL1752, POETLL1753, POETLL1754, POETLL1755, POETLL1756, POETLL1757, POETLL1758, POETLL1759, POETLL1760, POETLL1761, POETLL1762, POETLL1764, POETLL1765, POETLL1766, POETLL1767, POETLL1768, POETLL1769, POETLL1770, POETLL1771, POETLL1773, POETLL1774, POETLL1775, POETLL1776, POETLL1777, POETLL1778, POETLL1779, POETLL1919, POETLL2200, POETLL2401, POETLL2500, POETLL3000, POETLL3200, POETLL3304, POETLL3350, POETLL3351, POETLL3352, POETLL4160, POETLL5000, POETLL5100, POETLL9000, POETLL9200, POETRM3804, POETRM3805, POETRM9001, POETRM9002, POETRM9005, POETRM9006, POETRM9007, POLLPW1000, POLLPW1001, POLLPW1002, POLLPW1050, POLLPW1051, POLLPW1052, POLLPW1053, POLLPW1055, POLLPW1056, POLLPW1057, POLLPW1060, POLLPW1500, POLLPW1510, POLLPW1520, POLLPW1555, POLLPW1595, POLLPW1869, POLLPW1901, POLLPW2500, POLLPW2501, POLLPW2642, POLLPW2904, POLLPW4000, POLLPW4025, POLLPW5000, POLLPW5010, POLLPW5020, POLLPW5021, POLLPW5030, POLLPW5040, POLLPW5080, POLLPW5100, POLLPW5105, POLLPW5106, POLLPW5107, POLLPW5110, POLLPW5120, POLLPW5125, POLLPW5130, POLLPW5135, POLLPW5136, POLLPW5137, POLLPW5138, POLLPW5140, POLLPW5145, POLLPW5150, POLLPW5155, POLLPW5195, POLLPW5300, POLLPW5310, POLLPW5311, POLLPW5320, POLLPW5340, POLLPW5341, POLLPW5350, POLLPW5360, POLLPW5365, POLLPW6010, POLLPW6310, POLLPW6350, POLLPW7000, POLLPW7020, POLLPW7030, POLLPW7050, POLLPW7054, POLLPW7055, POLLPW7058, POLLPW7060, POLLPW7063, POLLPW7065, POLLPW7070, POLLPW7071, POLLPW7090, POLLPW7500, POLLPW7515, POLLPW7888, POLLPW8000, POLLPW9000, POLLPW9025, POLLPW9050, POLLPW9051, POLLPW9065, POLLPW9069, POLLPW9096, POLLPW9100, POLLPW9110, POLLPW9120, POLLPW9150, POLLPW9155, POLLPW9158, POLLPW9160, POLLPW9180, POLLPW9185, POLLPW9195, POLLPW9198, POLLPW9199, POLLPW9200, POLLPW9201, POLLPW9202, POLLPW9203, POLLPW9205, POLLPW9210, POLLPW9220, POLLPW9230, POLLPW9231, POLLPW9235, POLLPW9236, POLLPW9237, POLLPW9238, POLLPW9239, POLLPW9240, POLLPW9241, POLLPW9242, POLLPW9244, POLLPW9245, POLLPW9248, POLLPW9249, POLLPW9250, POLLPW9251, POLLPW9252, POLLPW9255, POLLPW9260, POLLPW9261, POLLPW9262, POLLPW9263, POLLPW9264, POLLPW9268, POLLPW9270, POLLPW9273, POLLPW9290, POLLPW9291, POLLPW9292, POLLPW9295, POLLPW9296, POLLPW9297, POLLPW9298, POLLPW9299, POLLPW9300, POLLPW9301, POLLPW9302, POLLPW9305, POLLPW9306, POLLPW9307, POLLPW9315, POLLPW9318, POLLPW9325, POLLPW9326, POLLPW9349, POLLPW9350, POLLPW9351, POLLPW9352, POLLPW9353, POLLPW9354, POLLPW9355, POLLPW9356, POLLPW9357, POLLPW9358, POLLPW9359, POLLPW9360, POLLPW9361, POLLPW9362, POLLPW9363, POLLPW9364, POLLPW9365, POLLPW9366, POLLPW9367, POLLPW9368, POLLPW9369, POLLPW9370, POLLPW9371, POLLPW9385, POLLPW9450, POLLPW9452, POLLPW9453, POLLPW9454, POLLPW9455, POLLPW9488, POLLPW9500, POLLPW9501, POLLPW9510, POLLPW9511, POLLPW9520, POLLPW9521, POLLPW9530,

# SAFETY DATA SHEET LINEAR LOW DENSITY POLYETHYLENE (LLDPE) REVISION 5, DATE 01 APR 22

POLLPW9531, POLLPW9540, POLLPW9541, POLLPW9550, POLLPW9551, POLLPW9560, POLLPW9561, POLLPW9590, POLLPW9850, POLLPW9880, POLLPW9895, POLLPW9928, POLLPW9952, POLLPW9985, POLLPW9986, POLLPW9995, POLLPW9999

## Revision

5

## Revision Date

01 Apr 2022

## Key/Legend

< Less Than

> Greater Than

**AICS** Australian Inventory of Chemical Substances

**atm** Atmosphere

**CAS** Chemical Abstracts Service (Registry Number)

**cm<sup>2</sup>** Square Centimetres

**CO<sub>2</sub>** Carbon Dioxide

**COD** Chemical Oxygen Demand

**deg C (°C)** Degrees Celcius

**EPA (New Zealand)** Environmental Protection Authority of New Zealand

**deg F (°F)** Degrees Farenheit

**g** Grams

**g/cm<sup>3</sup>** Grams per Cubic Centimetre

**g/l** Grams per Litre

**HSNO** Hazardous Substance and New Organism

**IDLH** Immediately Dangerous to Life and Health

**immiscible** Liquids are insoluable in each other.

**inHg** Inch of Mercury

**inH<sub>2</sub>O** Inch of Water

**K** Kelvin

**kg** Kilogram

**kg/m<sup>3</sup>** Kilograms per Cubic Metre

**lb** Pound

**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

**ltr or L** Litre

**m<sup>3</sup>** Cubic Metre

**mbar** Millibar

**mg** Milligram

**mg/24H** Milligrams per 24 Hours

**mg/kg** Milligrams per Kilogram

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

**Misc or Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

**mm** Millimetre

**mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**NOHSC** National Occupational Health and Safety Commission

**OECD** Organisation for Economic Co-operation and Development

**Oz** Ounce

**PEL** Permissible Exposure Limit

**Pa** Pascal

**ppb** Parts per Billion

**ppm** Parts per Million

**ppm/2h** Parts per Million per 2 Hours

**ppm/6h** Parts per Million per 6 Hours

**psi** Pounds per Square Inch

**R** Rankine

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**tne** Tonne

**TWA** Time Weighted Average

**ug/24H** Micrograms per 24 Hours

**UN** United Nations

**wt** Weight

