



MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT IDENTIFICATION

- **Virgin Grade Flame Retardant Low Density Polyethylene (LDPE)/Linear Low Density Polyethylene (LLDPE)** Builders Film. All Builders Film Grades conform to Australian Standard AS 2870 – 1996.

2. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

- Health Hazard: Rating 0 (Minimal)
- Flammability Hazard: Rating 1 (Slight)
- Reactivity Hazard: Rating 0 (Minimal)
- Acute – Swallowed: No known effects/minimal toxicity. May cause choking if swallowed. Large amounts may cause nausea and vomiting.
- Acute – Skin: Skin contact may result in mechanical injury or abrasion. This is a low risk hazard. Thermal burns may result from exposure to hot material.
- Acute – Inhaled: Inhalation of fines may cause irritation of nose and throat. Fumes given off during processing can cause respiratory irritation, headache and nausea.
- Fire/Exploration Hazard: Extinguishing media – Carbon Dioxide, foam, dry chemical, water fog or fine water spray. Firefighters must use self contained breathing apparatus.
- Hazardous Decomposition Products: Carbon Monoxide, Aldehydes, Acetic Acid, Ketones, Acrolein, Ethane and Methane.

3. FIRST AID MEASURES

- Molten form: If molten material comes into contact with the skin, immerse skin under a running stream of water until cooled. **DO NOT** attempt to remove the material from the skin. Removal can result in tissue damage. Get immediate medical attention.
- Swallowed: Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical assistance.
- Inhaled: Remove victim to fresh air. Remove contaminated clothing. Seek medical advice.

4. PHYSICAL AND CHEMICAL PROPERTIES

- Flexible, very tough, weatherproof, chemical resistance, low water absorption, low cost.
- Physical state: Flexible film
- Molecular formula: (C₂H₄)_x
- Boiling point: N/A
- Melting point: > 100 degree Celsius
- Auto ignition temperature: approximately 350 degree Celsius
- Decomposition temperature: 250 degree Celsius
- Solubility in water: Negligible

5. RESISTANCE TO CHEMICALS

- Dilute Acid: very good
- Dilute Alkalis: very good
- Oil and Greases: moderate (variable)
- Aliphatic Hydrocarbons: poor
- Aromatic Hydrocarbons: poor
- Halogenated Hydrocarbons: poor
- Alcohols: very good



Temporary
Surface
Protection



Dust &
Noise
Control



Hoardings
& Barrier
Systems

6. OTHER INFORMATION

- Protective Equipment: Thermal resistant gloves should be worn when handling hot materials. Use safety glasses.
- Fire Hazards: Combustible solid. May form flammable dust clouds in air. Polymer may burn in presence of extreme heat and oxygen. Avoid extreme heat.
- Storage & Transport: The products listed in this MSDS are not classified as dangerous goods.
- Spills & Disposal: Fold or sweep up waste unwanted material and responsibly dispose or recycle. Disposal of recovered material should conform to local regulations.
- The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specify product characteristics.
- Toxicology: Polyethylene has been classified by the International Agency for research on Cancer (IARC) as a Group 3 agent. Group 3 agent is not classifiable as to its carcinogenicity to humans.
- Environment protection: LDPE film is considered environmentally inert.
- Manufacturers' advice: Conveying lines and equipment in material handling systems should be grounded to eliminate or reduce the build up of static electricity. Avoid sources of ignition in areas where fines may occur.

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