

# Material Safety Data Sheet

## Section 1 – Chemical Product and Company Identification

Product name – HDPE(High Density Polyethylene) / LDPE(Low Density Polyethylene)

Company Identification/Supplier: **Reliance Plus Ltd.**

Unit A, 15/F, Seabright Plaza,  
9 - 23 Shell Street,  
North Point, Hong Kong  
Tel: 852-2151-5480  
Fax: 852-2151-5489

## Section 2 – Composition/Information on Ingredients

| Component | Cas No. | Percentage% |
|-----------|---------|-------------|
| HDPE      | -       | >50         |
| LDPE      | -       | <40         |
| Additives | -       | <10         |

## Section 3 – Hazards Identification

### Physical/Chemical Hazards:

This product has been evaluated and does not require any hazard warning on the label under Regulation (EC) No. 1272/2008. High dust concentrations have a potential for combustion or explosion.

### Human Health Hazards:

Not classified as dangerous substance. Handling and/or processing of this material may generate dust which may cause mechanical irritation of the eyes, skin, nose and throat.

### Environmental Hazards:

Not classified as dangerous material.

### Eyes Contact:

No significant irritation expected other than possible mechanical irritation. When heated to decomposition it emits acid smoke and irritating fumes.

**Skin Contact:**

No known significant effects. Heated material can cause thermal burns.

**Inhalation:**

Remove to fresh air, artificial respiration and oxygen if there is difficulty in breathing.

**Ingestion:**

Not applicable.

**Section 4 – Fire Fighting Measures****Extinguishing agents:**

Carbon dioxide, dry powder, foam, sand and water mist.

**Unsuitable extinguishing agents:**

Do not use high volume water jet or spray.

**Hazardous decomposition:**

The product is combustible and will release CO, CO<sub>2</sub> and H<sub>2</sub>O.

**Protective Equipment:**

Use a mask with universal filler, wear self-contained breathing apparatus.

**Section 5 – Accidental Release Measure****Protective measures:**

Eliminate all sources of ignition. Wear appropriate clothing with dust respirator mask when clean up.

**Environmental Precautions:**

Shovel or use industrial vacuum cleaner to collect and recycling.

**Section 6 – Handling and Storage****Handling:**

Proper ventilation for the process, wear dust respirator mask with protective gloves and clothes. No smoking and fire activity in the work areas.

**Storage:**

Store under dry and well-ventilated conditions, protect from heat and direct sunlight.

**Section 7 - Exposure Controls/ Personal protection****Engineering Controls:**

Provide adequate ventilation and exhaust system.

**Respiratory Protection:**

Not applicable.

**Body Protection:**

Wear heat-resistant gloves, clothing and face shield able to withstand the temperature of the molten process.

**Eyes Protection:**

Safety goggles with side shields.

**Section 8 – Physical and Chemical Properties**

**Physical state:** Pellets.

**Color:** Translucent White.

**Odor:** Light waxy odor.

**Density:** 0.918+/-0.002

**Specific gravity:** No data available

**Melting point:** No data available

**Boiling point:** No data available

**Flash point:** No data available

**Ignition temperature:** >300°C

**Explosion limits:** Not determined.

**Vapor Pressure:** Not applicable.

**Water solubility:** Insoluble.

**Section 9 – Stability and Reactivity**

**Stability:** Stable under normal use and storage.

**Incompatibility:** Strong oxidizing agents and acid.

**Conditions to avoid:** Fire and high temperature.

**Hazardous Polymerization:** Unlikely to occur.

**Hazardous Decomposition Products:** Low molecular weight hydrocarbon, carbon dioxide, carbon monoxide, unidentified organic compounds.

## **Section 10 – Toxicological Information**

**Acute Toxicity:** No known significant effect.

**Chronic Toxicity:** No known significant effect.

**Irritation:** No known irritant effect.

**Sensitization:** No known significant effect.

**Carcinogenicity:** No information available.

**Mutagenicity:** No information available.

## **Section 11 – Ecological Information**

**Eco-Toxicity:** No known significant effect.

**Biodegradable:** This product is not biodegradable.

**Biological accumulation:** No data available.

## **Section 12 – Disposal Considerations**

**Nature of waste:** This product is not regarded as hazardous waste as defined by Regulation (EC) No. 1272/2008. Recycle if possible.

**Waste disposal method:** Must be in compliance with all local, state or national laws and regulations.

## **Section 13 – Transport Information**

This product is not regulated for air, rail, road and sea transport.

## **Section 14 – Regulation Information**

Regulatory information: ISO 11014-2009 Safety data sheet for chemical products – Content and order of sections.

Regulation (EC) No. 1272/2008: classification, labeling and packaging of substances and mixtures.

## **Section 15 – Other Information**

The information in this MSDS is based on our current knowledge and the information contained herein is accurate as of the date of publication.

This does not constitute as a warranty and liability on our behalf. Final determination of suitability of the product is the sole responsibility of the user and the responsibility for the appropriate, safe handling, storage and legal use.