Material Safety Data Sheet

Issue date: 09/15/2017
Product: PVC Film

Section 1 – Product and Company Identification

Product name: PVC Film
Application: Pool liner
Company Identification: **Reliance Plus Ltd**
Unit E, 19/Floor, E-Trade Plaza,
24 Lee Chung Street,
Chai Wan, Hong Kong
Tel: 852-2151-5480
Fax: 852-2151-5489

Section 2 – Composition/Information on Ingredients

Component	Cas No.	Percentage%
Polyvinyl Chloride	9002-86-2	<80
DINP	58033-90-2	<60%
Barium Zinc Stabilizer	2457-01-04	<2%
Additives	-	<10%

Section 3 – Hazards Identification

Health Hazards:
Heating over 210C may liberate hazardous vapours. Molten product adheres to the skin and causes burns.

Safety Hazards:
Not classified as flammable but will burn.

Eyes Contact:
Wash eyes with clean water. 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:
Emits toxic and corrosive fumes under fire condition and will release CO, CO_2 and H_2O.

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, kept away from sources of ignition.

Section 7 - Exposure Controls/ Personal protection

Engineering Controls:
Provide adequate ventilation and exhaust system.

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: Sheets and roll goods
Color: Opaque
Odor: Nominal
Density: 1.2-1.5
Specific gravity: >1.26
Melting point: >100℃, pliable at 80℃
Boiling point: Not applicable
Flash point: Not applicable
Ignition temperature: Not determined
Explosion limits: Not determined
Vapor Pressure: Not applicable
Solubility in water: Insoluble
Solubility in other solvents: Soluble in Tetrahydrofuran, Cyclohexanone

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 above 100℃
Hazardous Decomposition Products: HCl, CO, CO_2

Section 10 – Toxicological Information

No experimental toxicological data of the product as available. From structurally related products, the following date may be expected.

Acute Toxicity:
-Oral LD50 rat: >2,000mg/kg
-Dermal LD50 rat: >2,000mg/kg
Irritation: No known irritant effect
Sensitization: Non-sensitizing

Section 11 – Ecological Information

No experimental ecotoxicological data are available for this product. The information given below is based on knowledge of similar products.

Ecotoxicity: Acute Toxicity, LC50=>100mg/l
Biodegradable: Not readily biodegradable
Biological accumulation: Not expected

Section 12 – Disposal Considerations

Dispose must be in compliance with all local, state or national laws and regulations.

Section 13 – Transport Information

Land: ADR/RID not classified as dangerous goods under transport regulations.
Inland waterway: ADNR not classified as dangerous goods under transport regulations.
Sea: IMDG/IMO not classified as dangerous goods under transport regulations.
Air: IATA/ICAO not classified as dangerous goods under transport regulations.

Section 14 – Regulation Information

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.