

CoverLite® MR Corrugated | Material Safety Data Sheet

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DISTRIBUTOR IDENTIFICATION

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PRODUCTS & SUBSTANCE

- Products: Polycarbonate Solid Corrugated Sheet
- Brand Name: LIHYANG (sold under brand name CoverLite®)
- Chemical Name: Polycarbonate [Poly (bisphenol-A carbonate)]
- Content: $>O-C_6H_4-C(CH_3)_2-C_6H_4-O-CO-$ n
- CAS No: 25929-04-8

HAZARDS IDENTIFICATION

- Most Important Hazards: None
- Adverse Human Health Effects: None
- Environmental Effects: None
- Physical and Chemical Hazards: None

FIRST AID MEASURES

- Inhalation: In case of inhalation of combustion fumes, move victim to fresh air. Medical attention is needed.
- Skin Contact: For contact with pellets or powder, wash with water. In case of contact with molten material, flush immediately with cold water and seek medical treatment.
- Eye Contact: In the cases of contact with pellets, powders or gases evolving from melted resin, flush with plenty of water for at least 20 minutes. Seek medical advice if irritation persists.
- Ingestion: Induce vomiting. Rinse mouth with water. Seek medical treatment if necessary.

FIRE-FIGHTING MEASURES

- Extinguishing Media: Water, foam, or dry chemical powders.
- Fire-Fighting Procedure: Firefighters should be equipped with self-contained breathing apparatus, protective clothes, and gas masks.
- Fire and Explosion Hazards: None

HANDLING AND STORAGE

- Handling: Prevent fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust resulting from sawing or grinding, etc. of the panels. To avoid dust explosion generated from the aforesaid operation on the panels, static electricity eliminators, good ventilation, and no contact with inflammable materials are recommended.
- Storage: Store and keep the panels horizontally at a cool dry place. Keep away from direct sunlight and inflammable materials.

EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limit: No occupational exposure standard established. Ventilation: Necessary, so as to exclude dust, fumes, and gases.
- No personal protection equipment such as gloves and masks/goggles, etc. are needed.

PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Corrugated-shaped solid polycarbonate sheet
- Specific Gravity: 1.20 +/-5%
- Solubility: Insoluble in water.
- Inflammability: Meet UL 94V2 standard – Self-extinguishing
- Autoignition Temp.: > 550 C (estimated)
- Deflection/Melting Temp.: Softening above 135 C.
- Brittle Temp.: About -30 C

STABILITY AND REACTIVITY

- Reactivity with Water: None
- Stability: Stable and non-reactive under normal handling and storage condition.
- Thermal Decomposition Gases: Hazardous combustion products may include dense black smoke, CO₂, CO, and hydrocarbon fragments. Fumes evolved during processing may include trace levels of aliphatic and aromatic hydrocarbons, acids, phenol, and phenol derivatives.

TOXICOLOGICAL INFORMATION

- Irritation: Fumes or vapors generated from decomposing resin may be irritant to eyes.
- Acute oral toxicity: (LD50) Oral LD50(Rat) > 5g/kg, (estimated)

ECOLOGICAL INFORMATION

- To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

DISPOSAL CONSIDERATIONS

- Waste for incineration or landfill should be properly disposed of according to local, state, or national laws and regulations.
- Inadequate incineration may generate toxic gases such as CO₂, CO, and hydrocarbon fragments.

TRANSPORT INFORMATION

- Not regulated.

OTHER

- The data given above is believed accurate and is for guidance and reference only.
- Manufacturer's information provided upon request.