



**MSDS**  
**MATERIAL SAFETY DATA SHEET**

**I. PRODUCT IDENTIFICATION**

**Chemical name:** Fiberglass ISOPHTHALIC POLYESTER molded grating product

**Common name:** FRP Molded Grating

**Company Name:** Jiangyin runlin Molding New Materials Co., LTD

**II. COMPOSITION/INFORMATION ON INGREDIENTS**

ISOPHTHALICPOLYESTERRESIN 33%, fiberglass yarn 33%, and the remaining materials consist of aluminum hydroxide, pigments, solidified support materials, catalyst, UV resistant additives as required, methyl ethyl ketone or as required, some fire resistant materials as required , etc.

**III. PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point:** N/A

**Melting Point:** N/A

**General weight/sqm:** The grating panel weight will depend on requirements. For example, a

38x38x13 piece of square mesh grating, weighs 5.8kg/sqm, a 38x38x25 piece of square mesh grating, weight 12.5kg/sqm,a 38x38x30 piece of square mesh grating, weighs 14.75kg/sqm, a 38x38x38 piece of square mesh grating, weighs 19.5kg/sqm, a 50\*50\*50 heavy loading style panel weighs almost 23.5kg/sqm, the weight is also different with the bar thickness for loading requirements.

**Solubility:** None in water.

**Appearance:** Anti slip surface, concave surface, flat surface, embedded surface, diamond surface, gritted surface.



#### IV. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to avoid:** Sparks or flames, rub, extremely high temperatures and frozen weather.

**Hazardous Decomposition:** ISO Resin is corrosion resistant; Industrial Grade Corrosion Resistance and Fire Retardant, max temperature is 221°F (105°C).

**Hazardous Polymerization:** A polyester resin especially suitable for use in optical films, etc. In particular, a resin of alicyclic polyester comprised of dicarboxylic acid units.

#### V. FIRE FIGHTING MEASURE

**Flash Point:** None

**Flammability Limits in Air:** None

**Auto-ignition Temperature:** Can not be exactly determined - can not be easily ignited.

**Extinguishing media:** Water or foam.

**Fire fighting procedures:** Carbon particles - air respirator recommended.

#### VI. HEALTH HAZARDS IDENTIFICATION

**Acute Effect:** None by contact with product, dust generated from cutting or grinding can penetrate into the pores of the skin and cause itching, avoid breathing dust.

**Routes of Entry:** Skin contact or inhalation of dust when cutting or grinding.

**Medical Conditions Aggravated by Exposure:** People who have conditions that would be aggravated by dust should avoid cutting or grinding.

**Emergency and First Aid Procedures:**

**Skin:** Remove people from dust area, showering with soap and water will stop itching.

**Eyes:** Flush with eye wash solution.



**VII. DISPOSAL CONSIDERATIONS**

Refer to local laws, this product is not considered hazardous waste.

**VIII. HANDLING AND STORAGE**

**Ventilation:** Dust collector recommended at point of generation of any dust due to cutting or grinding.

**Respiratory:** Wear dust mask when cutting and grinding.

**Eyes:** Wear protective goggles when cutting and grinding.

**Face and Hair:** Wear face protection when cutting and grinding.

Note: Cover all exposed body parts, always wear work gloves when moving and lifting products, since the product has sharp edges and/or grit surface.

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