



Material Safety Data Sheet (MSDS)

Basekim UV Cured GRP Sheet Laminate

1. Product Identification

- **Product Name:** Basekim UV Cured GRP Sheet Laminate
- **Product Type:** UV Cured Glass Reinforced Polyester (GRP)
- **Application:** Corrosion protection and insulation cladding

2. Hazard Identification

- **Classification:** Irritant
- **Health Hazards:**
 - May cause mild skin irritation (H315)
 - May cause eye irritation (H319)
- **Precautions:**
 - Keep away from heat, sparks, and open flames
 - Avoid direct contact with skin and eyes
 - Use in well-ventilated areas

3. Composition / Information on Ingredients

- **Unsaturated Polyester Resin with Styrene (<9%)**
- **Aluminum Hydroxide (~60%)**
- **Glass Fiber (~30%)**
- **CAS No (Styrene):** 100-42-5

4. First Aid Measures

- **Eye Contact:**
Rinse with water for at least 15 minutes. Seek medical attention if irritation persists
- **Skin Contact:**
Wash with soap and water. Remove contaminated clothing
- **Inhalation:**
Move to fresh air. Seek medical help if symptoms continue
- **Ingestion:**
Do not induce vomiting. Seek immediate medical attention

5. Fire Fighting Measures

- **Flammability:**
Non-flammable under normal conditions
- **Flash Point:**
Between 30°C and 60°C
- **Extinguishing Media:**
 - Water fog
 - Foam
 - Dry chemical
 - CO₂
- **Special Hazards:**
May release CO, CO₂, and organic vapors during combustion

6. Accidental Release Measures

- Prevent entry into drains and water systems



- Collect material and dispose according to regulations
- Use appropriate PPE

7. Handling and Storage

- **Handling:**
 - Avoid inhalation of vapors
 - Avoid skin and eye contact
- **Storage:**
 - Store at 5°C to 25°C
 - Keep in dry, ventilated area
 - Keep away from ignition sources

8. Exposure Controls / Personal Protection

- **Ventilation:**
Use in well-ventilated areas
- **Personal Protective Equipment (PPE):**
 - Gloves (PVA / Viton recommended)
 - Protective clothing
 - Respirator (Type A filter if needed)

9. Physical & Chemical Properties

- **Appearance:** Sticky sheet with protective film
- **Odor:** Styrene-like
- **Density:** 1.2 – 1.8
- **Flash Point:** >30°C
- **Auto-Ignition Temperature:** >450°C
- **Water Solubility:** Miscible

10. Stability & Reactivity

- Stable under normal conditions
- Avoid temperatures above 50°C
- Avoid direct sunlight before installation
- Incompatible with strong oxidizing agents

11. Toxicological Information

- May cause mild skin and eye irritation
- Inhalation of vapors may cause dizziness and headache
- Prolonged exposure may affect hearing (styrene-related)
- **LD50 (Oral):** >6000 mg/kg
- **LD50 (Dermal):** >2000 mg/kg

12. Ecological Information

- Low bioaccumulation potential
- Avoid release into environment
- Limited toxicity to aquatic life

13. Disposal Considerations

- UV-cured material becomes inert
- Dispose according to local regulations
- Use licensed waste disposal services



14. Transport Information

- **UN Number:** Not applicable
- **Transport Classification:** Not regulated
- **HS Code:** 39211900

15. Regulatory Information

Complies with international safety regulations including:

- REACH (EC No. 1907/2006)
- Occupational safety standards

16. Disclaimer

The information provided in this MSDS is based on current knowledge and is intended for guidance only. Users must ensure safe handling, storage, and application in accordance with local regulations.