

REGALBOARD

MATERIAL SAFETY DATA SHEET

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SAFETY DATA SHEET (SDS)

RegalBoard PU Capped Foamed Product

Prepared in accordance with OSHA HazCom 2012 (29 CFR 1910.1200)

SECTION 1: Identification

Product name:	RegalBoard
Recommended use:	Construction material
Manufacturer/Supplier:	Sentai
Material description:	ANHUI SENTAI WPC GROUP Guohua Road No.6, Economic and Technological Development Zone of Guangde County, 242237, Anhui, China Tel: +86-19956339011 Email: winnie@sentaigroup.com
Emergency Contact:	+86 199 5633 7511

SECTION 2: Hazard(s) Identification

2.1 Classification (GHS-US)

- Respiratory sensitisation – Category 1
- Carcinogenicity – Category 1B

2.2 GHS Label Elements

Signal Word: Danger

Hazard Pictograms:

- Health hazard (GHS08)



Hazard Statements:

- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause cancer.

Precautionary Statements:

- Refer to Safe works procedures before use.
- Avoid breathing dust/fume/vapours.
- Use protective equipment (gloves, eye protection, face protection).
- In case of inadequate ventilation, wear respiratory protection.
- If inhaled: Remove person to fresh air and keep comfortable.
- If exposed: Get medical advice.
- Dispose of contents/container in accordance with regulations.

SECTION 3: Composition / Information on Ingredients

Ingredient Name	CAS Number	Composition %
Polyvinyl chloride (PVC)	9002-86-2	33-50
Calcium carbonate	471-34-1	30-45
Glycerol propoxylate	25791-96-2	1-3
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with HDI	30322-28-2	1-3
Methylene diphenyl diisocyanate	101-68-8	1-3
Acrylonitrile-butadiene-styrene terpolymer (ABS)	9003-56-9	33-45
Poly(hexamethylene diisocyanate)	28182-81-2	1-3
Butyl ethanoate	123-86-4	0.1-0.2

Exact composition may include proprietary components not listed.

SECTION 4: First-Aid Measures

- **First-aid measures general:** If exposed or concerned: Get medical advice/attention. Call a poison centre or a doctor if you feel unwell.
- **First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison centre or a doctor.
- **First-aid measures after skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
- **First-aid measures after eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
- **First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Call a poison centre or a doctor if you feel unwell.

SECTION 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry powder, carbon dioxide.
- **Specific Hazards:** In combustion, may release CO, CO₂, HCl, and isocyanates.
- **Protective Equipment:** Self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental Release Measures

- **Personal Protection:** Avoid dust inhalation. Wear PPE.
- **Environmental Precautions:** Prevent entry into waterways or drains.
- **Cleanup Methods:** Collect mechanically and dispose of in approved facility.

SECTION 7: Handling and Storage

- **Handling:** Avoid generating dust. Use with adequate ventilation.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep sealed and away from oxidizers.
- **Incompatible Materials:** Strong acids, alkalis, and oxidizers.

SECTION 8: Exposure Controls / Personal Protection

8.1 Occupational Exposure Limits

Chemical Name	CAS Number	OSHA PEL	ACGIH TLV	NIOSH REL	STEL / Ceiling
Polyvinyl chloride (PVC)	9002-86-2	15 mg/m ³ (T)	Not established	Not established	-
Calcium carbonate	471-34-1	15 mg/m ³ (T)	10 mg/m ³ (inh.)	Not established	-
Methylene diphenyl diisocyanate - MDI (4,4'-Methylenebis(phenyl isocyanate))	101-68-8	0.02 ppm (C)	0.005 ppm (TWA)	0.005 ppm (TWA)	0.02 ppm (Ceiling)
n-Butyl acetate	123-86-4	150 ppm (TWA)	50 ppm (TWA)	150 ppm (TWA)	150 ppm (STEL)

8.2 Recommended Personal Protective Equipment (PPE)

Type	Specification
Respiratory	Use NIOSH-approved respirator in case of dust/vapor exposure.
Hands	Impermeable gloves (e.g., nitrile, neoprene).
Eyes	Safety goggles or face shield.
Skin/Body	Long-sleeved workwear and safety boots.
General Hygiene	Wash hands after handling; remove contaminated clothing.

8.3 Individual Protection Measures

- **Engineering Controls:** Use in a well-ventilated area. Provide local exhaust ventilation at points of dust generation.
- **Work/Hygienic Practices:** Avoid eating, drinking, or smoking in the work area. Wash hands thoroughly after handling.
- **Other Measures:** Provide eye wash stations and safety showers near areas of use.

SECTION 9: Physical and Chemical Properties

Property	Value / Description
Physical State	Solid
Color	Not available
Odor	Mild
Density	~0.87 g/cm ³
pH	Not applicable
Melting/Freezing Point	Not determined
Boiling Point	Not applicable (solid product)
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability	Not flammable
Upper/Lower Flammability	Not determined
Explosive Limits	Not determined
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Solubility in Water	Insoluble
Partition Coefficient (n-octanol/water)	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not applicable
Explosive Properties	Not expected
Oxidizing Properties	Not expected

SECTION 10: Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical Stability:** Stable.
- **Incompatible Materials:** Strong acids, alkalis, oxidizers.
- **Hazardous Decomposition:** CO, CO₂, HCl, nitrogen oxides, isocyanates.
- **Polymerization:** Will not occur under normal conditions.

SECTION 11: Toxicological Information

- **Acute Toxicity:** Not expected to be acutely toxic.
- **Skin Corrosion/Irritation:** Not classified.
- **Respiratory Sensitization:** Yes (due to isocyanates)
- **Carcinogenicity:** MDI is classified as IARC Group 2B (possibly carcinogenic).
- **Mutagenicity/Teratogenicity:** Data not available.

SECTION 12: Ecological Information

- **Persistence/Degradability:** Product is expected to be non-biodegradable.
- **Bioaccumulation Potential:** Low
- **Mobility in Soil:** Low due to solid form.
- **Other Adverse Effects:** None known.

SECTION 13: Disposal Considerations

- **Disposal Method:** Dispose of in accordance with local/regional/national regulations.
- **Contaminated Packaging:** Treat as chemical waste.

SECTION 14: Transport Information

- **UN Number:** Not regulated
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not classified as marine pollutant.

SECTION 15: Regulatory Information

- **OSHA:** Classified as hazardous
- **TSCA Inventory:** All components listed
- **REACH:** Some substances may be subject to authorization
- **California Proposition 65:** Contains MDI (listed carcinogen)

SECTION 16: Other Information

This SDS has been internally prepared by Eva-Last based on information provided by the product manufacturer and is believed to be accurate and complete to the best of our knowledge. It has been compiled using standard SDS templates and publicly available chemical safety information. This document is issued as a provisional safety data sheet pending the release of an official version.

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