

Safety Data Sheet (SDS / MSDS)

WPC (Wood-Plastic Composite) Wall Panels

Prepared in accordance with GHS Rev. 8 / OSHA HazCom 2012

SECTION 1: Identification

Product Name	WPC (Wood-Plastic Composite) Wall Panels
Recommended Use	Interior wall cladding, false ceilings, partition panels; exterior facades (weather-resistant grade)
Manufacturer/ Supplier	Ochnology Solution Pvt. Ltd.
Address	B-153, Sector-4, Defence Colony, Dehradun, Uttarakhand, India – 248001
Contact	projects@ochnology.com, bd@ochnology.com +91 9286823642/43

SECTION 2: Hazards Identification

As supplied (intact panel), WPC Wall Panels are a solid article and are not classified as hazardous under GHS under normal handling and use. Cutting or routing during installation can generate wood-fibre/plastic dust (a mechanical/nuisance-dust irritant). If the panel is PVC-based and subjected to open flame or high heat, combustion can release hydrogen chloride (HCl) and other irritant gases.

GHS Classification:

Signal Word: WARNING (applies to dust generated during cutting/routing, and to combustion products in a fire scenario)

Hazard Statements:

- Dust may cause mechanical irritation to eyes, skin, and respiratory tract.
- Combustion (if PVC-based) may release hydrogen chloride and other irritant/toxic gases.

Precautionary Statements:

- Use dust extraction or local ventilation when cutting or routing panels.
- Wear a dust mask (N95 or equivalent) during cutting/routing operations.
- Keep away from open flame and high-heat sources.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Approx. %
Wood Fibre / Flour	Mixture	40 – 60%
PVC / PE / PP Resin	9002-86-2 (PVC, if applicable)	30 – 50%
Additives (foaming agent, stabilizers, pigments)	Mixture	Balance

SECTION 4: First-Aid Measures

- Inhalation (dust): Move to fresh air.
- Inhalation (combustion products): Move to fresh air immediately; seek medical attention.
- Eye contact: Flush with water; seek medical attention if irritation persists.
- Skin contact: Wash with soap and water.

SECTION 5: Fire-Fighting Measures

- Combustible solid. If PVC-based, may release hydrogen chloride and other toxic/irritant gases when burned.
- Use water spray, CO₂, dry chemical, or foam as appropriate to the surrounding fire.
- Firefighters should wear self-contained breathing apparatus (SCBA) in enclosed or poorly ventilated spaces.

SECTION 6: Accidental Release Measures

- Not applicable to intact panels. Sweep or vacuum solid offcuts and dust from cutting operations.
- No special environmental precautions required for solid panel material.

SECTION 7: Handling and Storage

- Store flat, on a level surface, in a dry, covered area away from direct sunlight and open flame.
- Use dust extraction or adequate ventilation when cutting, routing, or drilling panels.

SECTION 8: Exposure Controls / Personal Protection

Exposure controls below apply primarily to cutting/routing operations during installation.

- Nuisance dust exposure limit: OSHA PEL 15 mg/m³ (total dust) / 5 mg/m³ (respirable) for particulates not otherwise regulated
- Respiratory protection: N95 dust mask during cutting/routing
- Eye protection: Safety glasses
- Hand protection: Work gloves when handling cut edges

SECTION 9: Physical and Chemical Properties

Appearance	Solid panel, wood-grain or solid colour finish
Odour	Slight, characteristic of plastic/wood composite
Density	≈ 0.7 – 0.9 g/cm ³
Water Absorption (24 hr)	≤ 1.0%
Solubility in Water	Insoluble

SECTION 10: Stability and Reactivity

- Stable under normal conditions of storage and use.
- Avoid prolonged exposure to open flame or high heat (PVC-based grades release hydrogen chloride on combustion).

SECTION 11: Toxicological Information

- No significant hazard from the intact, installed panel under normal use.
- Dust generated during cutting may cause mechanical irritation to eyes and respiratory tract.
- Combustion products (PVC-based grades) are irritating and toxic if inhaled.

SECTION 12: Ecological Information

- The plastic component is not readily biodegradable.
- The solid panel is not expected to be acutely hazardous to aquatic life.

SECTION 13: Disposal Considerations

- Dispose of offcuts and dust per local solid waste / plastic waste regulations.
- Do not burn in open or uncontrolled conditions.

SECTION 14: Transport Information

Not classified as dangerous goods for transport.

SECTION 15: Regulatory Information

- General building/construction material fire-rating classifications apply per local building codes.
- No specific hazardous-substance listing applies to the finished panel.

SECTION 16: Other Information

This SDS addresses hazards associated with cutting/routing during installation and combustion in a fire scenario. The finished, installed panel does not present a significant hazard under normal use conditions.

Disclaimer: Information is provided as a general guide based on available data and is subject to revision without notice. Buyers/users should conduct their own risk assessment and confirm suitability for their specific process and application.