POLYGUM® · FURNITURE GRADE · CODE PG-HM-SAFW

POLYGUM® Hot Melt SAFW

Filled EVA hot melt granules for bonding PVC edge band to wood-based panels (plywood, MDF and particle board) on automatic / throughfeed edge banding machines.

Prepared in the 16-section format of the Globally Harmonized System (GHS).

Section 1: Identification

Product name	POLYGUM® Hot Melt SAFW
Product code	PG-HM-SAFW
Chemical name	EVA hot melt adhesive
Chemical family	Thermoplastic hot melt adhesive, solid at room temperature
Recommended use	PVC edge band on plywood, MDF and particle board; Modular furniture, kitchen and wardrobe panels; Automatic / throughfeed edge banding machine
Uses advised against	Uses other than those recommended.
Supplier	Synergy Bonding Solutions Pvt Ltd 205, 4th Floor, Mont Vert Spectra, Pallod Farms, Baner Pune, Maharashtra 411045 India
Manufacturing	Own manufacturing plants in Pune, Maharashtra, India
Telephone / Email	+91 9021 086 995, +91 7774 055 316 | marketing@synergybonding.in
Emergency telephone	+91 9021 086 995 (office hours)

Section 2: Hazard Identification

GHS classification	**Not classified as hazardous under GHS.**
Pictogram / signal word	None required
Hazard statements	None
Precautionary statements	• P102 Keep out of reach of children. • P280 Wear protective gloves and eye protection. • P501 Dispose of contents and container in accordance with local regulations.
Physical state	Solid granules, frosty white
Other hazards	• Molten adhesive causes thermal burns. • Fumes released if overheated above 210°C may irritate the eyes and respiratory tract. • Spilled granules make floors slippery.

Section 3: Composition / Information on Ingredients

Component	CAS No.	Content (% w/w)
Ethylene – vinyl acetate copolymer (EVA)	24937-78-8	Confidential

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Tackifying resins (hydrocarbon / rosin ester)	Confidential	Confidential
Paraffin / synthetic waxes	8002-74-2	Confidential
Calcium carbonate	471-34-1	Confidential
Antioxidants	Confidential	Minor

Section 4: First Aid Measures

Burns from molten adhesive	Cool the area immediately under cold running water for at least 15 minutes. Do NOT peel solidified adhesive from the skin. Get medical attention.
Eye contact	Rinse with plenty of water. If molten material has entered the eye, get medical attention immediately.
Inhalation of fumes	Move to fresh air. Get medical attention if irritation persists.
Ingestion	Unlikely route of exposure. Rinse mouth; get medical advice if unwell.

Section 5: Fire Fighting Measures

Flammability	Combustible solid; not flammable at normal temperatures.
Suitable extinguishing media	Water spray, foam, carbon dioxide, dry powder.
Special hazards	Burns with dense smoke, giving carbon monoxide, carbon dioxide and acetic acid vapours.
Protective equipment	Self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions	Avoid slipping on spilled granules. Do not touch molten material.
Environmental precautions	Prevent large quantities from entering drains.
Clean-up	Sweep up granules. Allow molten spills to cool and solidify, then scrape up and collect for reuse or disposal.

Section 7: Handling and Storage

Handling	Keep melt tank, hose and nozzle within the recommended application temperature (180 – 210°C); never exceed 210°C. Provide local ventilation at the melt unit. Avoid contact with molten adhesive.
Storage	Store in the original packaging in a cool, dry place away from heat and direct sunlight. Rotate stock first-in, first-out.
Incompatible materials	Strong oxidising agents.

Section 8: Exposure Controls / Personal Protection

Engineering controls	Local exhaust ventilation at the melt tank and application head.

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Exposure limits	None established for the product.
Hand protection	Heat resistant gloves when handling molten material.
Eye protection	Safety glasses with side shields; face shield when cleaning hot equipment.
Body protection	Long sleeved work clothing.

Section 9: Physical and Chemical Properties

Appearance	Granules, frosty white
Odour	Slight, characteristic when molten
Softening point	100 ± 5°C
Application temperature	180 – 210°C
Density	1.3 – 1.35 g/cm³
Viscosity	50,000 ± 15,000 cP at 190°C
Flash point	Above 200°C (expected)
Solubility in water	Insoluble

Section 10: Stability and Reactivity

Chemical stability	Stable under normal conditions.
Conditions to avoid	Prolonged heating above 210°C, which causes degradation, charring and fumes.
Materials to avoid	Strong oxidising agents.
Hazardous decomposition	Irritating fumes, carbon oxides on overheating or burning.

Section 11: Toxicological Information

Acute toxicity	Not expected to be toxic. The main hazard is thermal burns from molten material.
Skin / eye	Solid product is not irritating. Fumes from overheated material may irritate.
Target organs	None known.

Section 12: Ecological Information

Ecotoxicity	Insoluble in water; not expected to be harmful to aquatic life.
Persistence	Not readily biodegradable.

Section 13: Disposal Considerations

Product	Dispose of as non-hazardous industrial waste in accordance with local regulations.
Packaging	Recycle clean packaging where possible.

Section 14: Transport Information

UN number	Not applicable
Road / rail (ADR / RID)	Not regulated
Sea (IMDG Code)	Not regulated; not a marine pollutant
Air (ICAO-TI / IATA DGR)	Not regulated

Section 15: Regulatory Information

GHS	Not classified as hazardous.

Section 16: Other Information

Revision	02
Date of issue	18 November 2026
Supersedes	All earlier editions of this data sheet
Abbreviations	GHS: Globally Harmonized System; TWA: time weighted average; STEL: short term exposure limit; TLV: threshold limit value; CAS: Chemical Abstracts Service.
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