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

# POLYGUM® Hot Melt SAYT

Unfilled 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

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| **Product name** | POLYGUM® Hot Melt SAYT |
| **Product code** | PG-HM-SAYT |
| **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<br>205, 4th Floor, Mont Vert Spectra, Pallod Farms, Baner<br>Pune, Maharashtra 411045<br>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

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|---|---|
| **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.<br>• P280 Wear protective gloves and eye protection.<br>• P501 Dispose of contents and container in accordance with local regulations. |
| **Physical state** | Solid granules, fully yellow transparent |
| **Other hazards** | • Molten adhesive causes thermal burns.<br>• Fumes released if overheated above 210°C may irritate the eyes and respiratory tract.<br>• 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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| Component | CAS No. | Content (% w/w) |
|---|---|---|
| **Tackifying resins (hydrocarbon / rosin ester)** | Confidential | Confidential |
| **Paraffin / synthetic waxes** | 8002-74-2 | Confidential |
| **Antioxidants** | Confidential | Minor |

## Section 4: First Aid Measures

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| **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

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| **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

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| **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

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| **Handling** | Keep melt tank, hose and nozzle within the recommended application temperature (170 – 190°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

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| **Engineering controls** | Local exhaust ventilation at the melt tank and application head. |
| **Exposure limits** | None established for the product. |

## Section 8: Exposure Controls / Personal Protection

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| **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

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| **Appearance** | Granules, fully yellow transparent |
| **Odour** | Slight, characteristic when molten |
| **Softening point** | 95 ± 5°C |
| **Application temperature** | 170 – 190°C |
| **Density** | 1.0 – 1.2 g/cm³ |
| **Viscosity** | 45,000 ± 10,000 cP at 190°C |
| **Flash point** | Above 200°C (expected) |
| **Solubility in water** | Insoluble |

## Section 10: Stability and Reactivity

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| **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

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| **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

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

## Section 13: Disposal Considerations

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

## Section 14: Transport Information

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| **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

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| **GHS** | Not classified as hazardous. |

## Section 16: Other Information

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| **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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