

OMBOND® · FURNITURE GRADE · CODE OB-WR45

# OMBOND® Waterproof Adhesive (OMBOND-WP)

Heat resistant waterproof adhesive: 2 hrs boiling waterproof, 72 hrs normal waterproof, with high coverage and fast drying.

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

## Section 1: Identification

|                      |                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name         | OMBOND® Waterproof Adhesive (OMBOND-WP)                                                                                                                                                                                                                                             |
| Product code         | OB-WR45                                                                                                                                                                                                                                                                             |
| Chemical name        | Cross-linking polyvinyl acetate emulsion                                                                                                                                                                                                                                            |
| Chemical family      | Vinyl acetate polymer dispersion in water (cross-linking type)                                                                                                                                                                                                                      |
| Recommended use      | Bonds laminate, plywood and other hard / soft wood, veneer, particle board, MDF, block board and hard board; Made for the handicraft industry; bonds all types of wood and ply to laminate, mainly where furniture is affected by moisture or water, such as kitchens and bathrooms |
| 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        | ISO 9001:2015 certified 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 | <ul style="list-style-type: none"><li>● P102 Keep out of reach of children.</li><li>● P280 Wear protective gloves and eye protection.</li><li>● P501 Dispose of contents and container in accordance with local regulations.</li></ul>                                                                                                                                                                                                                                                                                                                               |
| Physical state           | White viscous liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Other hazards            | <ul style="list-style-type: none"><li>● Mildly acidic product (pH 3 – 5); avoid contact with eyes.</li><li>● Eye: may cause slight, temporary irritation. Does not injure eye tissue.</li><li>● Skin: frequent or prolonged contact may irritate the skin.</li><li>● Ingestion: not expected to be harmful; low order of toxicity.</li><li>● Inhalation: vapours may irritate the respiratory system and nasal passages.</li><li>● Contains a small amount of residual vinyl acetate monomer, which may accumulate in the head space of closed containers.</li></ul> |

### Section 3: Composition / Information on Ingredients

| Component                        | CAS No.      | Content (% w/w) |
|----------------------------------|--------------|-----------------|
| Polyvinyl acetate copolymer      | 9003-20-7    | 45% (±2%)       |
| Water                            | 7732-18-5    | Balance         |
| Vinyl acetate monomer (residual) | 108-05-4     | 0.3 max         |
| Formulation additives            | Confidential | Minor           |

### Section 4: First Aid Measures

|                     |                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b> | Wash the affected area immediately with soap and water. Seek medical attention if irritation persists.     |
| <b>Eye contact</b>  | Rinse with plenty of water for at least 15 minutes, holding the eyelids wide open. Seek medical attention. |
| <b>Ingestion</b>    | Rinse mouth with water and keep the person calm. Do NOT induce vomiting. Get medical attention.            |
| <b>Inhalation</b>   | Move to fresh air. If symptoms develop and persist, get medical attention.                                 |

### Section 5: Fire Fighting Measures

|                                     |                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Flammability</b>                 | Water based product; not flammable as supplied.                                                                      |
| <b>Suitable extinguishing media</b> | Water spray, foam, carbon dioxide, dry powder or sand.                                                               |
| <b>Special hazards</b>              | After the water has evaporated, the dried polymer film can burn and may give off carbon oxides and irritating fumes. |
| <b>Protective equipment</b>         | Fire fighters should wear self-contained breathing apparatus.                                                        |

### Section 6: Accidental Release Measures

|                                  |                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>      | Wear the protective equipment listed in Section 8. Spilled product makes floors slippery.                                                                                         |
| <b>Environmental precautions</b> | Contain the spill. Do not let product enter drains, sewers or watercourses; inform the local authorities if it does.                                                              |
| <b>Clean-up</b>                  | Absorb with sand, earth or another inert binding material and collect in containers for disposal. Wash the remaining residue away with plenty of water and wipe with a wet cloth. |

### Section 7: Handling and Storage

|                               |                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b>               | Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Wash thoroughly after handling.                                             |
| <b>Storage</b>                | Keep containers tightly closed in a cool, well ventilated place. Avoid extreme temperatures and protect from freezing. Open drums in a ventilated area. |
| <b>Incompatible materials</b> | Strong oxidising agents; materials that react with water.                                                                                               |

## Section 8: Exposure Controls / Personal Protection

|                                |                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------|
| Engineering controls           | Not normally required. Use local exhaust ventilation where vapours or mist are generated. |
| Exposure limit (vinyl acetate) | ACGIH TLV: 10 ppm (TWA), 15 ppm (STEL).                                                   |
| Eye protection                 | Chemical splash goggles or safety glasses with side shields.                              |
| Hand protection                | Chemical resistant nitrile gloves.                                                        |
| Body protection                | Work clothing. Change contaminated clothing immediately.                                  |
| Hygiene measures               | Keep the work area clean. Wash hands before breaks and at the end of work.                |

## Section 9: Physical and Chemical Properties

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Appearance           | White viscous liquid                                |
| Odour                | Slightly sweet                                      |
| pH                   | 3 – 5                                               |
| Solid content        | 45% (±2%)                                           |
| Viscosity            | 150 – 250 Poise                                     |
| Specific gravity     | Approx. 1.0 – 1.1                                   |
| Boiling point        | Approx. 100°C (water)                               |
| Flash point          | Not applicable (water based)                        |
| Explosive properties | Not explosive                                       |
| Vapour pressure      | 2.3 kPa at 20°C (water)                             |
| Solubility           | Dilutable with water when wet; insoluble once dried |

## Section 10: Stability and Reactivity

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| Chemical stability      | Stable under normal conditions of storage and use.               |
| Conditions to avoid     | Freezing and extreme heat.                                       |
| Materials to avoid      | Strong oxidising agents; materials that react with water.        |
| Hazardous decomposition | None under normal conditions. See Section 5 for fire conditions. |

## Section 11: Toxicological Information

|                |                                                                      |
|----------------|----------------------------------------------------------------------|
| Acute toxicity | No data available for the mixture. Not expected to be acutely toxic. |
| Skin / eye     | May cause slight irritation on prolonged or repeated contact.        |
| Target organs  | None known.                                                          |

## Section 12: Ecological Information

|             |                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------|
| Ecotoxicity | No data available for the mixture. Not expected to be harmful to aquatic life at low concentrations. |
|-------------|------------------------------------------------------------------------------------------------------|

## Section 12: Ecological Information

**Precautions** Do not discharge undiluted product into drains or watercourses.

## Section 13: Disposal Considerations

**Product** Dispose of in accordance with local and national regulations, including the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

**Dried adhesive / containers** Dried adhesive and empty, clean containers may normally be handled as non-hazardous industrial waste.

## Section 14: Transport Information

**UN number** Not applicable

**Road / rail (domestic)** Not regulated

**Sea (IMDG) / Air (ICAO-IATA)** Not regulated

**Marine pollutant** No

## Section 15: Regulatory Information

**GHS** Not classified as hazardous.

## Section 16: Other Information

**Revision** 01

**Date of issue** 28 October 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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