

# MATERIAL SAFETY DATA SHEET

## Section 1 - Identification

|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Product identifier  | Wang Resin                                                                                                                          |
| Catalog No.         | AS3023                                                                                                                              |
| Other identifiers   | Wang resin; 4-benzyloxybenzyl alcohol resin; hydroxymethylphenoxy-type polystyrene resin                                            |
| Recommended use     | Laboratory research and solid-phase peptide synthesis (SPPS).                                                                       |
| Restrictions on use | For research use only. Not for human or veterinary use, therapeutic use, diagnostic use, food, household, or consumer applications. |
| Responsible party   | Alan Scientific Inc.                                                                                                                |
| U.S. address        | 9031 Shady Grove Court, Gaithersburg, MD 20877 U.S.                                                                                 |
| Contact             | +1 888-757-1116   contactus@alanscientific.com   www.alanscientific.com                                                             |
| Emergency telephone | +1 888-757-1116                                                                                                                     |

## Section 2 - Hazard(s) Identification

|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OSHA HCS classification                          | Not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200) based on currently available reference supplier information.                     |
| Signal word                                      | None required                                                                                                                                                                |
| Pictogram                                        | None required                                                                                                                                                                |
| Hazard statements                                | None required under OSHA HCS based on currently available reference supplier information.                                                                                    |
| Precautionary statements                         | Use standard laboratory precautions. Avoid inhalation of dust and unnecessary contact with skin or eyes. Use suitable gloves and safety glasses.                             |
| Hazards not otherwise classified / other hazards | Combustible organic resin. Fine airborne dust may present a general combustible-dust hazard. Keep away from ignition sources and prevent uncontrolled environmental release. |

## Section 3 - Composition / Information on Ingredients

|                               |                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------|
| Substance / mixture           | Substance / polymer-supported resin                                                             |
| Chemical name                 | Wang resin, polymer-supported peptide synthesis resin                                           |
| CAS No.                       | 201058-08-4                                                                                     |
| Molecular formula             | Not applicable - polymer-supported resin                                                        |
| Molecular weight              | Not applicable - polymer-supported resin                                                        |
| Purity / concentration        | Product-specific resin specifications; refer to the lot-specific Certificate of Analysis (COA). |
| Loading / mesh / crosslinking | Lot- or grade-specific; refer to the COA. These parameters are not defined by CAS number alone. |

## Section 4 - First-Aid Measures

Inhalation: Move to fresh air and keep comfortable for breathing. Obtain medical attention if respiratory symptoms occur or persist. Skin contact: Remove contaminated clothing and wash with soap and plenty of water. Eye contact: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do, then continue rinsing. Obtain medical advice if irritation persists. Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical advice if unwell.

## Section 5 - Fire-Fighting Measures

Suitable extinguishing media: Water spray, foam, dry chemical or carbon dioxide as appropriate for the surrounding fire. Combustible organic polymeric material. Thermal decomposition or fire may generate carbon oxides and irritating smoke or vapors. Fine airborne dust may present a combustible-dust hazard. Firefighters should wear self-contained breathing apparatus and suitable protective equipment when conditions warrant.

**Section 6 - Accidental Release Measures**

Avoid generating or inhaling dust. Provide adequate ventilation and wear suitable personal protective equipment. Sweep or vacuum dry material carefully and place it in a suitable closed container for disposal. Prevent product and polymer particles from entering drains or the environment.

**Section 7 - Handling and Storage**

Store in a tightly closed container in a cool, dry, well-ventilated area. Keep away from strong oxidizing agents and ignition sources. Follow the product label and lot-specific COA.

**Section 8 - Exposure Controls / Personal Protection**

|                                     |                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Occupational exposure limits</b> | No substance-specific OSHA PEL or ACGIH TLV identified in the currently reviewed source documentation.                                                            |
| <b>Engineering controls</b>         | Use general laboratory ventilation. Local exhaust may be appropriate where dust is generated.                                                                     |
| <b>Eye / face protection</b>        | Safety glasses or chemical splash goggles appropriate to the operation.                                                                                           |
| <b>Skin / body protection</b>       | Suitable chemical-resistant gloves and laboratory clothing.                                                                                                       |
| <b>Respiratory protection</b>       | Normally not required for controlled handling. If airborne dust is generated and ventilation is insufficient, use appropriate particulate respiratory protection. |
| <b>Hygiene measures</b>             | Wash hands after handling. Do not eat, drink or smoke in chemical handling areas.                                                                                 |

**Section 9 - Physical and Chemical Properties**

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| <b>Physical state</b>                 | Solid                                                                  |
| <b>Appearance</b>                     | Solid resin beads; typically pale to yellow or off-white               |
| <b>Odor</b>                           | No data available                                                      |
| <b>pH</b>                             | No data available                                                      |
| <b>Melting point / freezing point</b> | Not applicable or no data available for the polymer-supported resin    |
| <b>Boiling point / range</b>          | Not applicable or no data available                                    |
| <b>Flammability</b>                   | Combustible organic solid; no numerical flammability data available    |
| <b>Flash point</b>                    | Not applicable to the supplied solid or no data available              |
| <b>Auto-ignition temperature</b>      | No data available                                                      |
| <b>Decomposition temperature</b>      | No data available                                                      |
| <b>Vapor pressure</b>                 | Not applicable / no data available                                     |
| <b>Density / relative density</b>     | No data available                                                      |
| <b>Water solubility</b>               | Insoluble polymeric support; quantitative data not established         |
| <b>Particle characteristics</b>       | Resin bead or powder specification is lot/grade-specific; refer to COA |
| <b>Molecular weight</b>               | Not applicable - polymer-supported resin                               |

**Section 10 - Stability and Reactivity**

Stable under recommended storage conditions. Avoid excessive heat, ignition sources, airborne dust accumulation and strong oxidizing agents.

**Section 11 - Toxicological Information**

|                                         |                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Likely exposure routes</b>           | Inhalation of dust, eye contact, skin contact, and ingestion.                                                         |
| <b>Acute toxicity</b>                   | No numerical acute-toxicity data available for the supplied resin.                                                    |
| <b>Skin corrosion / irritation</b>      | No data available; not classified based on currently reviewed supplier information.                                   |
| <b>Serious eye damage / irritation</b>  | No data available; not classified based on currently reviewed supplier information.                                   |
| <b>Respiratory effects</b>              | No data available; avoid inhalation of dust.                                                                          |
| <b>Respiratory / skin sensitization</b> | No data available.                                                                                                    |
| <b>Germ cell mutagenicity</b>           | No data available.                                                                                                    |
| <b>Carcinogenicity</b>                  | No product-specific carcinogenicity data available.                                                                   |
| <b>Reproductive toxicity</b>            | No data available.                                                                                                    |
| <b>STOT - repeated exposure</b>         | No data available.                                                                                                    |
| <b>Aspiration hazard</b>                | Not applicable to the supplied solid based on available information.                                                  |
| <b>Additional information</b>           | Toxicological properties have not been fully characterized. Handle using good laboratory hygiene and safety practice. |

**Section 12 - Ecological Information**

No quantitative ecotoxicity, persistence, bioaccumulation or mobility data are available for the supplied resin. Avoid unnecessary environmental release. Polymer particles should not be released to drains, surface water or soil.

**Section 13 - Disposal Considerations**

Dispose of product, residues and contaminated packaging in accordance with applicable federal, state, local and institutional requirements. Do not mix with incompatible waste streams. Handle uncleaned containers as product residue.

**Section 14 - Transport Information**

|                                   |                                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Transport status</b>           | Not regulated as dangerous goods under U.S. DOT/IATA/IMDG based on currently reviewed reference supplier information. |
| <b>UN number</b>                  | Not assigned.                                                                                                         |
| <b>UN proper shipping name</b>    | Not assigned.                                                                                                         |
| <b>Transport hazard class(es)</b> | Not assigned.                                                                                                         |
| <b>Packing group</b>              | Not assigned.                                                                                                         |
| <b>Environmental hazards</b>      | Not identified as a marine pollutant based on currently reviewed information.                                         |
| <b>Special precautions</b>        | Protect containers from damage and moisture; minimize dust generation during handling.                                |

**Section 15 - Regulatory Information**

|                                            |                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OSHA HCS / hazard communication</b>     | Not classified as a hazardous substance or mixture under currently reviewed supplier GHS information for Wang resin CAS 201058-08-4. CAS assignment for Wang resins varies among suppliers; this MSDS follows the CAS used by the Alan Scientific product and multiple suppliers of polymer-supported Wang resin. |
| <b>Inventory / other regulatory status</b> | Not established in this document. Users and importers are responsible for confirming applicable federal, state and local inventory, reporting and use requirements for the specific transaction and lot.                                                                                                          |

## Section 16 - Other Information

|                                |                                                                                                                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision                       | 1.0                                                                                                                                                                                                                                                   |
| Date of preparation / revision | 2026-09-06                                                                                                                                                                                                                                            |
| Revision summary               | Initial Alan Scientific resin MSDS prepared using the current no-logo MSDS format and product-specific resin hazard assessment.                                                                                                                       |
| Data / assessment basis        | Alan Scientific product identity; current supplier safety documentation for Wang Resin CAS 201058-08-4; OSHA Hazard Communication Standard (29 CFR 1910.1200).                                                                                        |
| Product-specific note          | Wang resin CAS usage is not uniform across the market. Alan Scientific currently identifies this product as CAS 201058-08-4; loading, mesh, crosslinking and lot identity should be confirmed against the upstream COA/MSDS before final lot release. |

**Safety information notice:** The information is provided in good faith for safe handling of the supplied research material and is based on information reasonably available as of the revision date. It is not a product specification or warranty. Users are responsible for determining suitability, controls, and regulatory obligations for their specific use.