

MATERIAL SAFETY DATA SHEET

Section 1 - Identification

Product identifier	Rink Amide-MBHA Resin
Catalog No.	AS3022
Other identifiers	Rink Amide MBHA resin; Rink amide linker on MBHA-based polystyrene support
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. Do not release polymer particles to drains or the environment.

Section 3 - Composition / Information on Ingredients

Substance / mixture	Substance / polymer-supported resin
Chemical name	Rink Amide MBHA resin, polymer-supported peptide synthesis resin
CAS No.	431041-83-7
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 resin. Fire may generate carbon oxides, nitrogen oxides and irritating combustion gases or vapors. Fine dust dispersed in air may present a dust-explosion potential. 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

Keep tightly closed and dry. Store according to the product label and lot-specific COA. Keep away from strong oxidizing agents and ignition sources.

Section 8 - Exposure Controls / Personal Protection

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

Section 9 - Physical and Chemical Properties

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

Section 10 - Stability and Reactivity

Stable under recommended storage conditions. Strong oxidizing agents are incompatible. Avoid excessive heat and conditions that generate airborne dust.

Section 11 - Toxicological Information

Likely exposure routes	Inhalation of dust, eye contact, skin contact, and ingestion.
Acute toxicity	No numerical acute-toxicity data available for the supplied resin.
Skin corrosion / irritation	No data available; not classified based on currently reviewed supplier information.
Serious eye damage / irritation	No data available; not classified based on currently reviewed supplier information.
Respiratory effects	No data available; avoid inhalation of dust.
Respiratory / skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No product-specific carcinogenicity data available.
Reproductive toxicity	No data available.
STOT - repeated exposure	No data available.
Aspiration hazard	Not applicable to the supplied solid based on available information.
Additional information	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

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

Section 15 - Regulatory Information

OSHA HCS / hazard communication	Not classified as a hazardous substance or mixture under currently reviewed reference supplier GHS information. No substance-specific occupational exposure limit was identified in the reviewed supplier documentation.
Inventory / other regulatory status	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 Novabiochem/Merck safety documentation for Rink Amide MBHA Resin, CAS 431041-83-7; OSHA Hazard Communication Standard (29 CFR 1910.1200).
Product-specific note	Resin loading, mesh size and polymer crosslinking are product- or lot-specific quality attributes and are not defined by the CAS number. Refer to the lot-specific COA.

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.