

Suzhou Nanomicro Technology Co., Ltd



2 Baichuan Street

Suzhou Industrial Park, Jiangsu 215123

P. R. China

Tel: 86+512-6295 6000

Fax: 86+512-6295 6018

86+512-6295 6078

86+512-6295 6325

Http://www.nanomicrotech.com E-mail: info@nanomicrotech.com

Material Safety Data Sheet

Safety Data Sheet according to Directive 2001/58/EC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

NW Rose Q HP resin shipped in 20% Ethanol, applies to all particle size ranges (50 µm) and package sizes (25mL, 50mL, 100 mL, 500 mL, 1 L, 10 L, 100 L).

Product Description

Chromatography resin

Product Use Description

Chromatographic media

Supplier

Suzhou NanoMicro Technology Co., Ltd.

Baichuan Street, Suzhou Industrial Park, Jiangsu P. R. China

Zip Code: 215123

Telephone: 86+512-6295 6000 86+512-6295 6078

Fax: 86+512-6295 6018 86+512-6295 6325

E-mail address: info@nanomicrotech.com

Emergency Telephone Number

P. R. China 86+512-6295 6000 86+512-6295 6078

2. HAZARDS IDENTIFICATION

GHS - Classification

Signal word Warning
Hazard statements H226 Flammable liquid and vapor

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container to an approved waste disposal plant.

Principle Routes of Exposure/ Potential Health effects

Eyes May cause eye irritation with susceptible persons.
Skin May cause skin irritation in susceptible persons.
Inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed
Other Hazards None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Ingredients

Ingredient Name	CAS#	%
Ethanol	64-17-5	15 - 20
Crosslinked agarose resin	---	15 - 20

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Skin contact

Rinse with plenty of water. If symptoms arise, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Inhalation

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use the following extinguishing media when fighting fires involving this material: water spray, foam, carbon dioxide (CO₂), dry chemical.

Hazardous thermal decomposition products

Decomposition products may include the carbon dioxide and carbon monoxide

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus and avoid breathing smoke.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Use personal protective equipment.

Methods for cleaning up

Small spill: Soak up with inert absorbent material.

Large Spill: Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. HANDLING AND STORAGE

General precautions

Use appropriate personal protective equipment, and observe good laboratory hygiene.

Ventilation

Keep and use only in a well ventilated area.

Eye/skin protection

Standard safe laboratory practice recommended.

Storage

Keep container tightly closed. Keep away from flames, sparks or other ignition sources. Store refrigerated (4-25 °C) for maximum shelf-life (does not impact safety);

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs
Ethanol	1000 ppm TWA	1000 ppm TWA; 1900 mg/m ³ ; 3300 ppm IDLH	1000 ppm TWA; 1900 mg/m ³

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Standard laboratory practices recommended. Wear laboratory coat, gloves, and safety glasses when handling. Respiratory protection is not required if ventilation adequate.

Environmental exposure controls

Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid with white suspended microsphere solid.

Odor: Alcohol

Flash point: 100 °F (37.8°C)

Decomposition temperature: Not available

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and uses.

Materials to avoid: Keep away from open flames, sparks, and heat.

Hazardous decomposition: None under normal storage and uses.

Hazardous Polymerization: None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ingredient Name	Result	Species	Dose	Exposure
Ethanol	LC50 inhalation vapor	Rat	124700 mg/m ³	4 hours

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data

Inhalation: No specific data

Skin contact: No specific data

Ingestion: No specific data

Potential chronic health effects

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects No information available.

Mobility No information available.

Biodegradation Inherently biodegradable.

Bioaccumulation Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations. Do not allow spilled material to enter soil, waterways, or drains. See Section 6 and 8.

14. TRANSPORT INFORMATION

IATA Not classified: IATA Special Provision A58 – Aqueous solution containing 24% or less alcohol by volume not subjected to this regulations.

DOT Non hazardous. Not subjected to the requirement of 49CFR per section 173.150(e)

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List II Chemicals (Essential Chemicals): Not listed

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

Document Number: NM-W-MSDS-0712

Version: A/0

Revision date: Apr. 1st. 2022

Print Date: Apr. 1st. 2022