



UltraScience Nitrocellulose Membrane Sandwiches

Identification of the preparation / Substance and of the company

Product Name: UltraScience Nitrocellulose Membrane Sandwiches

Catalog Number: MMN01-S020(N)/MMN02-S020(N)

Use of the product: For laboratory use.

Company identification: BIO-HELIX Co., LTD.

Site: <http://www.bio-helix.com>

E-mail: info@bio-helix.com

Composition / Information on ingredients

Chemical nature

cellulose nitrate with nitrogen \leq 12,6%

CAS-NO. (for main substance): 9004-70-0

Hazards identification

Risk advice to man and the environment

F Highly flammable.

First Aid Measures

Ingestion:

Persons, who have inhaled nitrous gases should lay down and keep quiet. The symptoms of poisonous nitrous gas can appear several hours later. If symptoms persist, call a physician.

Fire-fighting measures

Suitable extinguishing media: Only water

Extinguishing media which must not be used for safety reasons: dry powder

Foam

Carbon dioxide (CO₂)

Specific hazards during fire fighting: protect from jet of flames

Special protective equipment for firefighters: extinguish with water only.

Exposure to decomposition products may be a hazard to health.

Further information: In case of fire nitrose gases could be produced and high flames can occur.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



Accidental release measures

Personal precautions: No smoking.

Environmental precautions: No special environmental precautions required.

Methods for cleaning up: Add lots of water and remove. Avoid sources of ignition, shock and friction.

DO not smoke

Handling and storage

Handling

Advice on safe handling:

Take precautionary measures against static discharges. Read the note of the German workers compensation organization of the chemical industry to handle nitrocellulose. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion:

keep away from sources of ignition - No smoking

keep away from combustible material.

Take precautionary measures against static discharges.

Keep away from direct sunlight.

Storage

Requirements for storage areas and containers: store at room temperature in the original packaging.

Advice on common storage: Keep away from combustible material.

Keep away from oxidizing agents, strongly alkaline and strongly acid materials to avoid exothermic reactions.

Storage class: Flammable solids.

Exposure controls / personal protection

Engineering measures: none

Personal protective equipment

Respiratory protection: Not required, except in case of aerosol formation.

Respiratory protection: When using, do not eat, drink or smoke.

Physical and chemical properties

Appearance

Foam: solid

Colour: white, polyester backing

Odour: none

Safety data

Water solubility: None insoluble



Stability and reactivity

Materials to avoid	Incompatible with strong acids and bases. Incompatible with oxidizing agents.
Hazardous decomposition products	Stable under recommended storage conditions. No decomposition, if stored and applied as directed. risk of ignition
Hazardous reactions	No dangerous reaction known under conditions of normal use. Heating can release hazardous gases.

Toxicological information

Further information Health injuries are not known or expected under normal use.

Ecological information

Further information on ecology
Additional ecological information: This product has no known eco-toxicological effects.

Disposal considerations

Product: In accordance with local and national regulations.

Transport information

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-code, ICAO/IATA-DGR.

Regulatory information

Labeling according to EEC Directive	
symbo(s): F	Highly flammable
R-pharse(s): R11	Highly flammable
S-pharse(s): S16	keep away from sources of ignition - No smoking
S33	Take precautionary measures against static discharges
National legislation	
Water contaminating class: Not water endangering	

Other information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Bio-Helix Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.