

SAFETY DATA SHEET

Product Name: **Nanoman Antibacterial 365 Fabric Surfaces**

FILE NO: NTP/ABF/1001

SDS DATE: 01/06/2020

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Nanoman Antibacterial 365 Fabric Surfaces
Synonyms: Nanoman Antibacterial 365 Fabric Surfaces Protective Coating
Company Name: Nanotech Products Pty Ltd (ABN 47 153 300 933)
Address: 8/50-54 Howleys Road, Notting Hill, VIC 3168
Telephone: 1300 696 266
 Business Hours 9:00am to 5:00pm, Monday to Friday
Other Names Not Applicable
Recommended Use: Coating of fabric and textiles surfaces to provide protection against bacteria and germs.

SECTION 2: HAZARDS IDENTIFICATION

Hazard Statement H411 Toxic to aquatic life with long lasting effects



Precautionary Statement (Prevention) P273 Avoid releases to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statement (Storage) P404 Store in a closed container

Precautionary Statement (Disposal) P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation Ingredients

Ingredient	CAS Number	EC Number	Content
Quat-silisesquioxane			>1.0% <3.0%
Methanol	67-56-1	200-659-6	>0 25% <0.5%
Water			>90.0%
Proprietary Ingredients			>10.0%

SECTION 4: FIRST AID MEASURES

General Advice: Remove contaminated or saturated clothing. When in doubt or symptoms persist seek medical advice.
Inhalation: Remove victim from exposure. Take affected persons out into the fresh air. In case of persistent discomfort seek medical attention
Ingestion: Have the mouth rinsed with water. Have the patient drink plenty of water in small sips. Do not induce vomiting. Obtain medical attention.

SAFETY DATA SHEET

Product Name: **Nanoman Antibacterial 365 Fabric Surfaces**

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SDS DATE: 01/06/2020

- Skin Contact:** Wash off immediately with plenty of water. If swelling, redness, blistering or irritation occurs seek medical advice.
- Eye contact:** Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, eye rinsing solution. Seek medical attention
- Notes to physician:** If required, therapy of irritative effect and treat systematically

SECTION 5: FIRE-FIGHTING MEASURES

- Specific Measures:** The product is not flammable Use fire extinguishing methods appropriate to local circumstances and surrounding area.
- Specific Hazards:** The product itself is not combustible. In case of fire toxic can be generated. Do not inhales gases / smoke.
- Hazchem Code:** Not applicable
- Precautions for Firefighters** Firefighters should wear appropriate protective clothing for fire fighting (including helmets, protective gloves and boots) and self contained breathing appararatus with a full face piece.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions:** In case of spill, particular danger of slipping on leaked / spilled product. Isolate hazard area and deny entry. Protective clothing should be worn to prevent excessive skin contact.
- Environmental Precautions:** Prevent liquid entering sewers. Do not allow to enter surface waters, storm drains, etc.
- Small spills:** Take immediate steps to stop and contain the spill. Caution should be excised regarding personnel safety and exposure to be spilled material. Absorb small spills onto paper towels and evaporate in a safe place. Flush the contaminated area with plenty of water.
- Large spills:** Ensure adequate ventilation. Stop leak if you can do it without risk. Restrict access to area until completion of clean-up procedure. Large quantities should be absorbed on to sand, earth or non combustible absorbent material and removed to a safe area for disposal. Flush the contaminated area with plenty of water.

SECTION 7: HANDLING AND STORAGE

- Handling and Storage:** Keep out of reach of children. Avoid eye contact and repeated or prolonged skin contact
- Conditions for safe sunlight.** Keep container tightly closed in a cool, dry and well-ventilated place away from direct sunlight.
- Storage:** Containers which are opened must be carefully resealed and kept upright to prevent leakage. Check regularly for leakage.
- Storage class:** Non Hazardous

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standard:	Name	CAS No	STEL		TWA	
			mg/m3	ppm	mg/m3	ppm
	Methanol	67-56-1	250	328	200	262
	Quat-Silsequioxane		No value assigned for this specific material			

SAFETY DATA SHEET

Product Name: **Nanoman Antibacterial 365 Fabric Surfaces**

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SDS DATE: 01/06/2020

Other Exposure Information

The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL is the maximum average concentration to which an unprotected worker may be exposed in any fifteen-minute interval during the day. Any fifteen-minute periods in which the average STEL concentration exceeds the permissible level must be separated from each other by at least one hour.

Appropriate Engineering Controls:

Provide adequate ventilation. If using indoors keep windows and doors open during use. Keep containers closed when not in use.

Respiratory Protection:

Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists.

Eye Protection:

Use safety glasses with side shield protection as appropriate

Skin Protection:

Use of occupational protective gloves of PVC, neoprene, or nitrile rubber gloves are recommended.

Other Protective Clothing Equipment:

Impermeable clothing. Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken..

Hygienic Measures:

Always wash hand before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Footwear:

Safety boots in industrial situations is advisory.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Appearance:	Colourless
Odor:	Characteristic
Melting Point:	not available
Boiling Point:	>100°C
Solubility in Water:	miscible
Flash Point:	not applicable
Vapor Pressure:	not available
Specific Gravity:	not available
Relative Density:	0.98 g/m ³ - 1.01 g/m ³ (at 20° C)
Ignition Temp.	not applicable
Evaporation Rate:	not available
Explosion Limits:	lower: not available upper: not available
pH (500 g/l H₂O):	not available
Dynamic viscosity:	not available
Kinematic viscosity	not available

Volatile Organic Compounds (VOC): not available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: The material is stable under normal use and conditions

Conditions to Avoid No special precautions required Consider the directions for storage and handling.

Hazardous Reactions None known.

Incompatibility (Material To Avoid): No further relevant information available.

Hazardous Decomposition Under normal use no hazardous decomposition expected.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Effects: **Acute toxicity**
LD50 Oral (Rat) 5,628 mg/kg (methanol)
LD50 Dermal (Rabbit) 15,800 mg/kg (methanol)
LC50 Inhalation (Rat) 4 h > 130.7 mg/l(methanol)

(methanol)

Other Information: Chronic effects on Humans – not available
Toxic effects on Humans – not available

General: From our experience and the information provided to us this product does not present any adverse health effects if the product is handled in accordance with this Safety Data Sheet and product label.

Ingestion: Unlikely under normal occupational exposures, but swallowing a minor amount may cause nausea and vomiting and gastric irritation

Eye Contact: The product is not classified as irritating to eyes, but high concentrations of vapours may cause irritation and watering.

Skin Contact: The product is not classified as irritating to skin, but prolonged exposure may result in irritation

Inhalation: The product is not classified as an aspiration hazard, but where the material is used in a poorly ventilated area, at elevated temperature or in confined spaces, vapour may cause irritation to the mucous membranes of the respiratory tract.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information: No ecological problems are expected to occur when the product is handled and used with due care and attention

Ecotoxicity: Avoid contaminating waterways. Toxic to aquatic life with long lasting effects.

Further Information: No ecotoxicological study available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local authority, state and federal government regulations.

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SECTION 14: TRANSPORT INFORMATION

	Land Transport ADR/RID/GGVS/GGVE	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN Number	Not applicable	Not applicable	Not applicable
Proper Shipping Name	Not applicable	Not applicable	Not applicable
DG Class	Non-hazardous	Non-hazardous	Non-hazardous
Hazchem Code	Not applicable	Not applicable	Not applicable
Packaging Group	Non-hazardous	Non-hazardous	Non-hazardous
Marine / Environmental Pollutant	Yes	Yes	Yes

SECTION 15: REGULATORY INFORMATION

Classification: Not classified as hazardous

Poisons Schedule: Not scheduled

SECTION 16: OTHER INFORMATION

Disclaimer: The information contained in this Safety Data Sheet (SDS) is believed to be correct and was obtained from sources we believe are reliable. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Nanotech Products makes no representations, guarantees or warranties of any kind as to the accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at their sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.