



MATERIAL SAFETY DATA SHEET

In accordance with 93/112/EEC

Date of Revision: 04/12/2003

SECTION 1 – IDENTIFICATION

Product Trade Name : NanoShield CONCRETE

Manufacturer/supplier : NanoShield Treatments Limited
Unit 11, Madden Marine Centre
Viaduct Basin, Auckland
New Zealand

Ph: 0800 NANO4U

SECTION 2 – COMPOSITION/COMPONENTS

Chemical Characterisation : Composition from modified hybrid materials. Basic materials are registered in the EINECS

Hazardous Ingredients : CAS-NO. 2943-75-1 **Weight** : 60-80%
Designation: Octyltriethoxysilane Emulsifier
EINECS No.: 220-941-2

SECTION 3 – POSSIBLE DANGERS

Danger Designation : No special danger admits

Special Danger References For Humans and Environment : Non/Not applicable

SECTION 4 – EMERGENCY AND FIRST AID PROCEDURES

After Inhalation : Admission of fresh air, with complaints seek medical advice if necessary.

After Skin Contact : Flush with water immediately.

After Eye Contact : Flush with water for at least 15 minutes. If irritation persists, seek medical advice.

After Ingestion : Rinse mouth with plenty of water. Cause no vomiting. Seek medical advice if necessary.

SECTION 5 – FIRE AND EXPLOSION HAZARD

Unusual Fire and Explosion Hazard : Non-flammable.

Extinguishing Media : Water fog, alcohol-steady foam, dry chemical, carbon monoxide, CO₂

Fire and Explosion Hazards : Non-flammable.

Protective Equipment for Fire Fighting:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – SPILL OR LEAK PROCEDURES

Personal Precautionary Measures	: Provide sufficient ventilation.
Environmental Protection Measures	: Do not allow to enter drains or water sources.
Procedures for Cleaning/admission	: Take up mechanically. Contain and collect spillage with non-combustible adsorbent materials, e.g. sand, earth, vermiculite. Supply into suitable container of the recuperation or disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions to be taken in handling and storage	: Avoid contact with skin and eyes. Wash hands after contact with the product. Keep container tightly closed in a dry, well ventilated location away from sources of heat, ignition and direct sunlight. Keep out of frost.
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SECTION 8 – SPECIAL PROTECTION INFORMATION

Exposition Delimitation	: Keep container tightly closed. Keep away from sources of ignition.
Personal Protection	: Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. Wear eye/face protection (Australian Standard AS-1337) or approved equivalent. In case of accident or if you feel unwell, seek medical advice.

SECTION 9 – PHYSICAL AND CHEMICAL DATA

Appearance	: Milky White Liquid
Odour	: Nearly odourless
Boiling Point	: 97 °C
Flash Point	: >100 °C
Auto Ignition Temperature	: Does not determine
Danger Of Explosion	: This product is non-combustible
Steam Pressure (bei 20 °C)	: Does not determine
Density (with 20 °C)	: ~1.0 g/cm ³
Solubility in water	: Mixable
pH (500 g/l with 20 °C)	: Approximately 8
Viscosity (dynamic, with 20 °C)	: N/A
Vapour Density (Air = 1)	: Not specified.

SECTION 10 – STABILITY AND REACTIVITY

Dangerous Reactions	: No dangerous reactions admits.
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SECTION 11 – TOXICOLOGICAL DATA

Skin Contact : May cause little or insignificant irritation.

Eye Contact : May cause little or insignificant irritation.

Inhalation : May cause little or insignificant irritation.

SECTION 12 – ECOLOGICAL INFORMATION

No data available.

SECTION 13 – TRANSPORT INFORMATION

This product is not classified as dangerous goods. Hazard warning not required. Sensitive from cold below +3 °C.

SECTION 14 – TRANSPORTATION REGULATION

No danger property in the sense of the transportation regulations. Non-hazardous for air, sea and road freight.

SECTION 15 – REFERENCES TO DISPOSAL

Wastes, including emptied containers, are controlled wastes and should be disposed in accordance with regulations made for waste which cause damage to the environment.

SECTION 16 – REGULATIONS

Marking After EEC – Guidelines : No marking required as hazardous goods.

Water Endangerment Class : WGK=1 weakly water-endangering: (self classification in accordance with VCI – concept)

SECTION 17 – OTHER DATA

The information in this Material Safety Data Sheet (MSDS) is based on the present state of knowledge and current legislation, and is accordance to standard defined in directive 93/112/EEC. The information in this MSDS provides guideline on health, safety and environmental aspects. For further information about technical performance and application referred to technical data sheet for this product. Although we have tried to make it as accurate and useful as possible, we can take no responsibility for its use or misuse.