

# Material Safety Data Sheet

## NUTHANE TOPCOAT AGGREGATE/FILLER

<b>Infosafe</b> NLX14	<b>Version</b>	<b>ISSUED</b>	December	<b>Status</b> ISSUED
<b>No.</b>	<b>No.</b>	<b>Date</b>	2009	by
				NUPLEXIN

Classified as hazardous according to criteria of NOHSC

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name**

NUTHANE TOPCOAT AGGREGATE/FILLER

**Product Code**

B1NTTCA

**Company Name**

NUPLEX INDUSTRIES LIMITED

**Address**

12 Industry Road, PENROSE, Auckland  
Australia: 49-61 Stephen Rd, Botany, NSW 2019

**Emergency Tel.**

New Zealand: 0800 154 666 (24H); Australia: 1800 022 037 (24H)

**Telephone/Fax Number**

Tel: New Zealand: (09) 579 2029; Australia: (02) 9666 0331 Fax: New Zealand: (09) 525 1618; Australia: (02) 9666 3368

**Recommended Use**

Component of a polyurethane system.

**Other Names**

None Listed

### 2. HAZARDS IDENTIFICATION

**Hazard Classification**

Australia:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:

6.1E - Substance that is acutely toxic by inhalation

6.3A - Substance that is irritating to the skin

6.7A - Substance that is known or presumed to be a human carcinogen

- 6.9A - Substance that is toxic to human target organs or systems (repeated exposure)  
 8.3A - Substance that is corrosive to ocular tissue

**Hazard Statement Codes:**

- H333 May be harmful if inhaled.  
 H315 Causes skin irritation.  
 H350 May cause cancer.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 H318 Causes serious eye damage.

**Precautionary Statement Codes - Prevention:**

- P102 Keep out of reach of children. - This statement applies only where the substance is available to the general public.  
 P103 Read label before use. - This statement applies only where the substance is available to the general public.  
 P104 Read Safety Data Sheet before use.  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe dust.  
 P264 Wash hands and skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/eye protection/face protection.  
 P281 Use personal protective equipment as required.

**Precautionary Statement Codes - Response:**

- P101 If medical advice is needed, have product container or label at hand. - This statement applies only where the substance is available to the general public.  
 P308+P313+P314 IF exposed or concerned or you feel unwell: Get medical advice/attention.

**INHALATION:**

- P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

- P331 Do NOT induce vomiting.

**SKIN:**

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.

- P332+P313 If skin irritation occurs: Get medical advice/attention.

- P362 Take off contaminated clothing and wash before re-use.

**EYE:**

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- P310 Immediately call a POISON CENTER or doctor/physician.

**Precautionary Statement Codes - Storage:**

- P405 Store locked up.

**Precautionary Statement Codes - Disposal:**

- P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

**Risk Phrase(s)**

- R41 Risk of serious damage to eyes.  
 R37/38 Irritating to respiratory system and skin.

**Safety Phrase(s)**

- S22 Do not breathe dust.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S24/25 Avoid contact with skin and eyes.  
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

Name	CAS	EINECS	Proportion
Quartz (crystalline silica)	14808-60-7	238-878-60-100	% 4
Portland cement	65997-15-1	266-043-10-30	% 4

Ingredients determined (Balance)  
not to be hazardous.

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## 4. FIRST AID MEASURES

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### **Inhalation**

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

### **Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

### **Skin**

Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.

### **Eye**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

### **First Aid Facilities**

Eye wash fountains and safety showers should be easily accessible.

### **Advice to Doctor**

Treat symptomatically.

### **Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

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## 5. FIRE FIGHTING MEASURES

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### **Suitable Extinguishing Media**

Use appropriate fire extinguisher for surrounding environment.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes and gases.

### **Specific Hazards**

The product is non-combustible.

### **Hazchem Code**

None Allocated

### **Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

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## 6. ACCIDENTAL RELEASE MEASURES

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### **Emergency Procedures**

Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation then transfer material to a suitable container. Seal all wastes in labelled plastic containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

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## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for Safe Storage

Store in a cool, dry, well-ventilated area away from moisture. Store in labelled, corrosion-resistant containers. Keep containers tightly closed. Store away from bases, water and other incompatible materials.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### National Exposure Standards

No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance TWA STEL NOTICES

ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup>

Quartz (crystalline silica) - 0.1 - - -

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance TWA STEL NOTICES

ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup>

Quartz (crystalline silica) - 0.2 - - A2 Carcinogen

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.  
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

A2 CARCINOGEN: Suspect human carcinogen.

### Biological Limit Values

No biological limits allocated.

### Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance**

Coloured powder.

**Odour**

Not available

**Melting Point**

Not applicable

**Boiling Point**

Not applicable

**Solubility in Water**

Slightly soluble.

**Specific Gravity**

3.0

**pH Value**

Not available

**Vapour Pressure**

Not applicable

**Vapour Density (Air=1)**

Not applicable

**Flash Point**

Not applicable

**Flammability**

Product is non-combustible.

**Auto-Ignition Temperature**

Not applicable

**Flammable Limits - Lower**

Not applicable

**Flammable Limits - Upper**

Not applicable

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal conditions of storage and handling.

**Incompatible Materials**

Unknown

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes

including carbon monoxide and carbon dioxide.

**Hazardous Reactions**

Not available

**Hazardous Polymerization**

Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

No toxicity data are available for this product.

**Inhalation**

Irritating to respiratory system. Inhalation of product dusts will cause irritation of the nose, throat and respiratory system.

**Ingestion**

Ingestion of large quantities may result in internal obstruction/constipation or discomfort.

**Skin**

Irritating to skin. Skin contact will cause redness, itching and swelling.

**Eye**

Risk of serious damage to eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

**Chronic Effects**

Crystalline silica has been classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1). Furthermore, crystalline silica can cause silicosis or other lung diseases on prolonged exposure.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Not available

**Persistence / Degradability**

Not available

**Mobility**

Not available

**Environ. Protection** Prevent this material entering waterways, drains and sewers.

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal Considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

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## 14. TRANSPORT INFORMATION

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**Transport Information**

Australia:

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:  
Not classified as Dangerous Goods for transport according to the NZS 5433:2007  
Transport of Dangerous Goods on Land.

**DG Class**

None Allocated

**Hazchem Code**

None Allocated

**Packing Group**

None Allocated

**IATA/ICAO Packing Group**

None Allocated

**IATA/ICAO Hazard Class**

None Allocated

**IMDG Hazard Class**

None Allocated

**IMDG Pack. Group**

None Allocated

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## 15. REGULATORY INFORMATION

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**Regulatory Information**

Australia:  
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Not classified as a Scheduled Poisons according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule**

Not Scheduled

**National and or International Regulatory Information**

New Zealand:  
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
Group Standard:  
Additives, Process Chemicals and Raw Materials (Toxic [6.7]) Group Standard 2006  
HSNO Approval Number: HSR002512

**Hazard Category**

Irritant

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## 16. OTHER INFORMATION

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**Date of preparation or last revision of MSDS**

MSDS Reviewed: December 2009  
Supersedes: January 2005

**Contact Person/Point**

For specialist advice in emergencies: Australia 1800 022 037; New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should

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End of MSDS

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