

## SAFETY DATA SHEET

SDS: 0063361  
Date Prepared: 15-Jun-2021

Version: 3  
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### 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** NUTHANE SBM MEDIUM AGGREGATES  
**Product Description:** Inert crushed rock  
**Intended/Recommended Use:** Recommended for Industrial and/or Professional use only  
**Uses advised against:** No information available

**Allnex New Zealand Ltd.**  
14 Industry Road, Penrose, Auckland 1061, New Zealand

**For Product and all Non-Emergency Information call** +64 (09) 583 6500 (business hours only) or contact us at <http://www.allnex.com/contact>

**EMERGENCY TELEPHONE NUMBER (24 hours/day) - For emergency only involving spill, leak, fire, exposure or accident call:**

+64 0800 803 002 (Allnex New Zealand)  
See Section 16 for Emergency phone numbers for other regions.

### 2. HAZARDS IDENTIFICATION

#### Regulatory information

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2020

**EPA New Zealand HSNO approval code or group standard:** HSR002512

Group Standard: Additives, Process Chemicals and Raw Materials (Carcinogenic) Group Standard 2020

#### GHS Classification

Carcinogenicity Category 1  
Specific Target Organ Toxicity - Repeated Exposure Category 1  
Skin Irritation Category 2  
Serious Eye Damage / Eye Irritation Category 1

#### LABEL ELEMENTS



**Signal Word**  
Danger

**Hazard Statements**

May cause cancer  
Causes damage to organs through prolonged or repeated exposure  
Causes skin irritation  
Causes serious eye damage

### Precautionary Statements

#### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.

#### Response

IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see supplemental first aid instructions on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### Storage

Store locked up.

#### Disposal

Dispose of contents/container in accordance with local and national regulations.

### OTHER HAZARDS

Not applicable

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## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

**Substance, Mixture or Article?** Mixture

Component / CAS No.	%
Silica, quartz 14808-60-7	60 - 80
Portland cement 65997-15-1	30 - 45
Calcium hydroxide 1305-62-0	4 - 8

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## 4. FIRST-AID MEASURES

### Emergency telephone number

Poisons Information Centre, New Zealand: 0800 764 766

### First-aid Measures

#### Inhalation:

Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.

#### Skin Contact:

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops

and persists. Wash immediately with plenty of water and soap. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

**Eye Contact:**

Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Ingestion:**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Most Important Symptoms and Effects, Acute and Delayed**

Burning sensation. Itching. Rashes. Hives.

**Immediate Medical Attention and Special Treatment****Notes To Physician:**

Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

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

**Unsuitable Extinguishing Media:**

full water jet.

**Protective Equipment:**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**HAZCHEM Code:** Not applicable

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Methods For Containment:**

Prevent further leakage or spillage if safe to do so.

**Methods For Cleaning Up:**

Take up mechanically, placing in appropriate containers for disposal.

**Environmental Precautions:**

None known.

**References to other sections:**

See Sections 7, 8 and 13 for additional information.

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## 7. HANDLING AND STORAGE

**Handling**

**Precautions:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe

dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.

**Special Handling Statements:** Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

#### Storage

Keep container tightly closed and dry in a cool, well-ventilated place. Keep out of reach of children. Store locked up.

**Storage Temperature:** Ambient temperature

**Reason:** Quality.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### CONTROL PARAMETERS - Limits

#### Silica, quartz 14808-60-7

New Zealand: 0.05 mg/m<sup>3</sup> respirable dust (TWA)  
ACGIH (TLV): 0.025 mg/m<sup>3</sup> respirable particulate matter (TWA)

#### Portland cement 65997-15-1

New Zealand: 3 mg/m<sup>3</sup> (TWA)  
1 mg/m<sup>3</sup> respirable dust (TWA)  
ACGIH (TLV): 1 mg/m<sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter (TWA)

#### Calcium hydroxide 1305-62-0

New Zealand: 5 mg/m<sup>3</sup> (TWA)  
ACGIH (TLV): 5 mg/m<sup>3</sup> (TWA)

### Biological Exposure Limit(s)

No values have been established.

### Engineering Measures:

Ensure adequate ventilation, especially in confined areas.

### Respiratory Protection:

Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure. Where exposures are below the established exposure limit, no respiratory protection is required. Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

### Eye protection:

Tight sealing safety goggles.

### Skin Protection:

Wear suitable protective clothing.

### Hand protection:

Wear protective gloves. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.

### Additional Advice:

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke

when using this product. Wash hands before breaks and immediately after handling the product. Wash hands before breaks and after work.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	powder solid
<b>Colour:</b>	coloured
<b>Odor Threshold:</b>	See Section 8 for exposure limits.
<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not applicable
<b>Flammability:</b>	Not available
<b>Flammable Limits (% By Vol):</b>	Not available
<b>Flash point:</b>	Solid, not expected to flash
<b>Autoignition temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not available
<b>pH:</b>	~ 11 Approximately
<b>Viscosity (Kinematic):</b>	Not applicable
<b>Viscosity (Dynamic):</b>	> Not applicable
<b>Solubility In Water:</b>	Not available
<b>Solubility In Solvent:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Vapor Pressure:</b>	Not applicable
<b>Specific Gravity/Density:</b>	3.0 g/cm <sup>3</sup>
<b>Vapour density:</b>	Not available
<b>Particle characteristics:</b>	Not applicable

### 9.2 OTHER INFORMATION

#### 9.2.1 Information with regard to physical hazard classes

Not applicable

#### 9.2.2 Other safety characteristics

Not applicable

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## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No information available
<b>Stability:</b>	Stable
<b>Conditions To Avoid:</b>	Protect from heat and direct sunlight.
<b>Polymerization:</b>	Will not occur
<b>Conditions To Avoid:</b>	None known.
<b>Materials To Avoid:</b>	Strong oxidizing agents.

Strong acids  
Strong bases

**Hazardous Decomposition Products:** None known

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Skin, Eyes, Respiratory System.

### HEALTH HAZARD INFORMATION

**Acute toxicity - oral:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - dermal:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - inhalation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin corrosion / irritation:** Causes skin irritation

**Serious eye damage / eye irritation:** Causes serious eye damage

**Respiratory sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Carcinogenicity:** May cause cancer

**Germ cell mutagenicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Reproductive toxicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific target organ toxicity (single exposure):** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure):** Causes damage to organs through prolonged or repeated exposure.

**Route of Exposure:** inhalation Affected Organs: Lung

**Aspiration hazard:** Not Classified - Based on physical form, not an expected route of exposure.

### PRODUCT TOXICITY INFORMATION

#### ACUTE TOXICITY DATA

oral	rat	Acute LD50	> 2000 mg/kg
dermal	rabbit	Acute LD50	> 2000 mg/kg
inhalation	rat	Acute LC50 4 hr	> 5 mg/l (Dust/Mist)

#### LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	Irritating
Acute Irritation	eye	Risk of serious damage to eyes.

#### ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

### SUBACUTE/SUBCHRONIC TOXICITY

**Specific target organ toxicity (repeated exposure):** Causes damage to lung through prolonged or repeated exposure by inhalation. .

### GENOTOXICITY

#### Assays for Gene Mutations

Ames Salmonella Assay No data

### CARCINOGENICITY

#### OTHER INFORMATION

The product toxicity information above has been estimated.

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### HAZARDOUS INGREDIENT TOXICITY DATA

Quartz silica (respirable fraction) can cause reduced pulmonary function when inhaled. Exposure to respirable quartz silica can cause delayed (chronic) fibrosis and other lung injury. Chronic inhalation exposure showed that quartz silica can cause lung cancer in rats but not in mice. There is also limited human evidence which shows an association of lung cancer with occupational exposure to quartz silica. This material is reported to have shown positive results in in vitro mutagenicity tests with human cell cultures. Studies have shown that tobacco smoking and high quartz silica exposure exhibit a synergistic effect for lung cancer. Silica, crystalline is a chemical known to the State of California to cause cancer.

Prolonged skin contact with Portland cement may result in skin irritation due to the alkaline, abrasive, and hydroscopic properties of wet cement. No evidence of pneumoconiosis was seen in workers exposed to Portland cement.

The oral (rat) LD50 for Calcium hydroxide is 7.34 g/kg. Calcium hydroxide dust can cause severe skin, eye, and respiratory tract irritation.

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## 12. ECOLOGICAL INFORMATION

This material is not classified as dangerous for the environment. The ecological assessment for this material is based on an evaluation of its components.

#### ECOTOXICITY

Not available

**BIOACCUMULATIVE POTENTIAL**

Not available

**PERSISTENCE AND DEGRADABILITY**

Not available

**MOBILITY IN SOIL**

Not available

**OTHER ADVERSE EFFECTS****HAZARD TO THE OZONE LAYER**

Not available

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**HAZARDOUS INGREDIENT TOXICITY DATA**

Component / CAS No.	Toxicity to Fish
Silica, quartz (14808-60-7)	Not available
Portland cement (65997-15-1)	Not available
Calcium hydroxide (1305-62-0)	Not available

Component / CAS No.	Toxicity to Water Flea
Silica, quartz (14808-60-7)	Not available
Portland cement (65997-15-1)	Not available
Calcium hydroxide (1305-62-0)	Not available

Component / CAS No.	Toxicity to Algae
Silica, quartz (14808-60-7)	Not available
Portland cement (65997-15-1)	Not available
Calcium hydroxide (1305-62-0)	Not available

Component / CAS No.	Partition coefficient
Silica, quartz (14808-60-7)	Not available
Portland cement (65997-15-1)	Not available
Calcium hydroxide (1305-62-0)	Not available

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**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

The company encourages the recycle and reuse of products and packaging, where possible and permitted.

**Product disposal**

When recycle or reuse is not possible, the company recommends that our products, especially when classified as hazardous, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

**Packaging disposal**

Handle contaminated packages in the same way as the product itself. Disposal of emptied and cleaned packaging must be made in accordance with applicable local and national regulations.



**Disposal-relevant information**

Do not release directly or indirectly to surface water, ground water, soil or public sewage system.

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**14. TRANSPORT INFORMATION**

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

**Road transport**

Dangerous Goods? Not applicable/Not regulated  
HAZCHEM Code: Not applicable

**IMO**

Dangerous Goods? Not applicable/Not regulated

**ICAO / IATA**

Dangerous Goods? Not applicable/Not regulated

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**15. REGULATORY INFORMATION****Safety, health and environmental regulations specific for the product in question**

**Ozone Depleting Substances (Regulation (EC) No 1005/2009):** Not applicable  
**Persistent Organic Pollutants (Regulation (EC) No 850/2004):** Not applicable

**EPA New Zealand HSNO approval code or group standard:** HSR002512  
Group Standard: Additives, Process Chemicals and Raw Materials (Carcinogenic) Group Standard 2020

**Health and Safety at Work Hazardous Substances Regulations 2017****Tracking:**

This product does not require tracking

**Certified Handler:**

This product does not require a certified handler.

**Controlled Substance:** This product does not require a Controlled Substance Licence

**Inventory Information**

**New Zealand:** This product is approved or exempt under the Hazardous Substances and New Organisms (HSNO) Act.

**Australia:** All components of this product are included in the Australian Inventory of Industrial Chemicals (AIIC) or are not required to be listed on AIIC.

**European Economic Area (including EU):** When purchased and shipped from an Allnex legal entity based in the EEA (EU or Norway), this product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or registered.

**United States (USA):** All components of this product are designated as "Active" on the TSCA Inventory or are not required to be listed.

**Canada:** One or more components of this product are NOT included on the Canadian Domestic Substances List (DSL).

**China:** One or more components of this product are NOT included on the Chinese (IECSC) inventory.

**Japan:** One or more components of this product are NOT included on the Japanese (ENCS and/or ISHL) inventories.

**Korea:** One or more components of this product are NOT included on the Korean (ECL) inventory.

**Philippines:** One or more components of this product are NOT included on the Philippine (PICCS) inventory.

**Taiwan:** One or more components of this product are NOT included in the Taiwan chemical substance inventory (TCSI).

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## 16. OTHER INFORMATION

**Reasons for Issue:** Revised Section 2

**Date Prepared:** 15-Jun-2021

**Date of last significant revision:** 15-Jun-2021

### Emergency phone numbers for other regions

#### **Asia Pacific**

Australia: +61 1800 022 037 (Allnex Australia)

China (PRC): +86(0)532 8388 9090 (NRCC)

India: 000 800 100 7479 (toll free) or +65 3158 1198 (Carechem 24)

Indonesia: 007 803 011 0293 (Carechem 24)

Japan: +81 345 789 341 (Carechem 24)

Korea: +82 2 3479 8401 (Carechem 24)

Malaysia: +60 3 6207 4347 (Carechem 24)

Philippines: +63 2 231 2149 (Carechem 24)

Taiwan: +886 2 8793 3212 (Carechem 24)

Vietnam: +84 8 4458 2388 (Carechem 24)

All Others: +65 3158 1074 (Carechem 24)

#### **Europe**

+44 (0) 1235 239 670 (Carechem 24)

#### **Middle East, Africa**

+44 (0) 1235 239 671 (Carechem 24)

#### **Latin America**

Brazil: +55-800-707-7022 (toll free) or +55-11-98149-0850 (Suatrans 24)

Chile: +56 2 2582 9336 (Carechem 24)

Mexico and all others: +52-555-004-8763 (Carechem 24)

#### **Canada and USA**

+1-866-928-0789 (toll free) or +1-215-207-0061 (Carechem 24 - Allnex29003-NCEC)

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

C Carcinogen

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Prepared By: Product Stewardship & Regulatory Affairs Department, <http://www.allnex.com/contact>  
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