

Safety Data Sheet according to WHS Regulations

Printing date 25.11.2020

Revision: 25.11.2020

1 Identification

Product Name: NASAHI (AAC) ADHESIVE

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Adhesive for Nasahi Cladding System.

Nasahi AAC Adhesive is supplied as a blended dry powder. Prior to application, the powder is mixed with water to a slurry and is then trowelled onto panels or block work.

Details of Manufacturer or Importer:

Nasahi Building Materials Australia Pty Ltd

1331 Stud Road

Rowville VIC 3178

Phone Number: 1300 262 724

Emergency telephone number: 13 11 26 (Poisons Information Centre)

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



Skin Corrosion/Irritation 2

H315 Causes skin irritation.

Skin Sensitisation 1

H317 May cause an allergic skin reaction.

STOT SE 3

H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection / face protection.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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/doctor.

P321 Specific treatment (see on this label).

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P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 14808-60-7	Silicon dioxide	65 - 75%
CAS: 65997-15-1	Cement, portland, chemicals ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Skin Corrosion/Irritation 2, H315; Skin Sensitisation 1B, H317; STOT SE 3, H335	20 - 35%
CAS: 1317-65-3	Limestone	<2%
CAS: 14808-60-7	Quartz (SiO ₂) ⚠ Carcinogenicity 1A, H350; STOT RE 1, H372	<0.1%

Additional information:

This product contains <0.1% respirable quartz present as an impurity in the ingredients. Respirable crystalline silica is a known carcinogen and can cause serious lung damage. Exposure to this product is not likely to cause harm under normal conditions, but it is recommended to determine the actual exposure through workplace testing.

Portland cement is not recognised as a carcinogen. However, it may contain trace amounts of heavy metals recognised as carcinogens.

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. May cause coughing, sneezing, wheezing, breathing difficulty and burning sensation.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction. Wet concrete or mortar may cause alkaline burns.

Eye Contact: Causes serious eye damage. May cause redness, watering and conjunctivitis.

Ingestion: Dust may cause nausea, abdominal discomfort, constipation, and abrasions to the mouth and throat.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

No hazardous decomposition products known.

This product is not flammable or combustible.

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Product close to fire should be removed only if safe to do so.
Minimise run off from fire fighting entering drains or watercourses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so. Sweep into a pile and shovel into drums for subsequent disposal or salvage. Consider vacuuming. Water spray can be used to suppress dust.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. In order to minimise dust generation when working with the dried product hand tools are recommended in preference to power tools. If power tools are used, these should be fitted with dust extraction or other effective local ventilation. Always wash hands after use. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eye wash fountains and safety showers in close proximity to points of potential exposure. Wash hands before eating, drinking. Using the toilet, or smoking. Wash work clothes regularly.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Store in original bags. Protect from excessive moisture. Keep away from hydrogen fluoride and other fluorine compounds.
Shelf life: six months.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 14808-60-7 Quartz (SiO₂)

WES	TWA: 0.1 mg/m ³ respirable dust
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CAS: 65997-15-1 Cement, portland, chemicals

WES	TWA: 10 mg/m ³
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CAS: 1317-65-3 Limestone

WES	TWA: 10 mg/m ³ As calcium carbonate
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Engineering Controls:

Provide local exhaust ventilation to keep the airborne concentrations of dust below occupational exposure standards.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 or P2 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Impervious elbow length PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a

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workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Safety glasses with side shields or safety goggles for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Blended powder
Colour:	White to off-white
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	11 - 12
Melting point/freezing point:	>1200 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Density:	2 - 3 g/cm ³
Relative Density:	1.3 - 1.7
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Forms an alkaline slurry with water.
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No known hazardous reactions.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Excessive moisture.

Incompatible Materials: Hydrogen fluoride and other fluorine compounds.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 14808-60-7 Quartz (SiO₂)		
Oral	LD50	500-22,500 mg/kg (rat)
CAS: 1317-65-3 Limestone		
Oral	LD50	6,450 mg/kg (rat)

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Acute Health Effects

Inhalation:

May cause respiratory irritation. May cause coughing, sneezing, wheezing, breathing difficulty and burning sensation.

Skin:

Causes skin irritation. May cause an allergic skin reaction. Wet concrete or mortar may cause alkaline burns.

Eye: Causes serious eye damage. May cause redness, watering and conjunctivitis.

Ingestion:

Dust may cause nausea, abdominal discomfort, constipation, and abrasions to the mouth and throat.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated exposure may lead to contact dermatitis. Inhalation of dust containing respirable crystalline silica through prolonged, repeated exposure can cause bronchitis and silicosis (scarring of the lung.) It may also increase the risk of scleroderma (a disease effecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity: Product forms an alkaline slurry when mixed with water.

Aquatic toxicity:	
CAS: 14808-60-7 Quartz (SiO₂)	
LC50/96 h	>10,000 mg/l (brachydanio rerio)
CAS: 1317-65-3 Limestone	
LC50/96 h	>56,000 mg/l (mosquito fish)
CAS: 10101-41-4 Calcium sulfate, dihydrate	
LC50/96 h	>1,970 mg/l (fathead minnow)

Persistence and Degradability: Low biodegradability.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: This product is expected to have low mobility.

Other adverse effects: No further relevant information available.

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13 Disposal Considerations

Disposal Methods and Containers:

Dispose according to applicable local and state government regulations. Nasahi ACC adhesive can be treated as common waste. Measures should be taken to minimise dust generation during disposal.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated
Proper Shipping Name Not regulated
Dangerous Goods Class Not regulated
Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 Other Information

Date of Preparation or Last Revision:

Preparation date: 25.11.2020

SDS expiry date: 25.11.2025

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Skin Sensitisation 1B: Skin sensitisation, Hazard Category 1B

Carcinogenicity 1A: Carcinogenicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018”

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