

Safety Data Sheet - SDS:23-12

Loxo Autoclaved Aerated Concrete (AAC) Panel

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER


Product Name	Loxo Autoclaved Aerated Concrete Panel
Other Names	NASAHI AAC Panel, AAC Panel,
Recommended Use	External wall cladding, inter-tenancy wall and flooring for low-rise residential buildings.
Applicable in	New Zealand
Supplier	Loxo Cladding Systems NZ Limited
Address	35 Watsons Road, Christchurch, NZ
Telephone	+64 3 372 3343
Email Address	info@loxocladding.co.nz
Website	www.loxocladding.co.nz
Emergency Phone Number	111 Police, Ambulance and Fire Brigade (available in NZ only)
Poisons Information Centre	0800 POISON (764 766) (available in NZ only)

SECTION 2: HAZARDS IDENTIFICATION

HAZARD STATEMENT: The supplied Autoclaved Aerated Concrete is classified as non-hazardous under the Globally Harmonised System (GHS 7), Hazardous Substances and New Organisms Act 1996 (HSNO) and the Health and Safety at Work Act 2015 (HSWA).

However, dust generated during delivery, installation, cutting, drilling or grinding the product may be hazardous and presents a risk of Respirable Crystalline Silica. Inhalation of respirable crystalline silica carried by the dust is harmful. [Silica dust in the workplace | WorkSafe](#)

CLASSIFICATION LABELLING: The following GHS classifications refer ONLY to the dust of these products

GHS Classification	GHS Signal Word	GHS Pictogram
Skin Irritation Category 2 Eye Irritation Category 2A Specific Target Organ Toxicity (Single Exposure) Category 3 Specific Target Organ Toxicity (Repeated Exposure) Category 2	WARNING	

The following GHS Hazard and Precautionary statements refer ONLY to the dust of these products:

GHS Hazard Statements H315 – Causes skin irritation. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation. H373 – May cause damage to organs through prolonged or repeated exposure by inhalation
GHS Precautionary Statements P260 – Do not breathe dust. P264 – Wash thoroughly after handling. P271 – Use only outdoors or in a well-ventilated area.

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P280 – Wear eye/face protection and protective gloves.
P302 + P352 – If on skin, wash with plenty of soap and water.
P304 + P340 – If inhaled, remove victim to fresh air and keep at rest in a position 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.
P312 – Call a Poison Centre or doctor if you feel unwell.
P332 + P313 – If skin irritation occurs, get medical advice/attention.
P337 + P313 – If eye irritation persists, get medical advice/attention.
P362 – Take off contaminated clothing and wash before reuse.
P403 + P233 – Store in a well-ventilated place and keep container tightly closed.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Ingredients	CAS Number	Proportion
Calcium Silicate Hydrate (Tobermorite)	1344-95-2	Approx. 70%
Crystalline Silica (Quartz)	14808-60-7	Approx. 23%
Calcium Sulfate (Gypsum)	7778-18-9	Approx. 5%
Organic additives deemed not to be hazardous Proprietary <2%		

SECTION 4: FIRST AID MEASURES

Skin	Wipe away excess. Wash off skin with water and a mild soap while removing contaminated clothing and shoes. Seek medical attention if irritation or redness develops.
Eyes	Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if eye irritation persists
Inhalation	Keep patient calm. Remove from exposure to fresh air. Provide necessary breathing support. Consult medical professionals for further information if symptoms persist.
Swallowed	Do not induce vomiting unless directed to do so by medical professional. Rinse mouth with flowing water. Seek medical attention if symptoms persist
Additional	Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

The supplied Autoclaved Aerated Concrete is Non-combustible.

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Special precautions for fire fighters	Recommend wearing self-contained breathing apparatus and staying upwind.
HAZCHEM Code.	None.

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SECTION 6: HANDLING AND STORAGE

Precautions for safe handling	Use with adequate ventilation. Avoid contact with eyes and skin, ingestion and inhalation. All workers should have appropriate personal protection equipment for the worksite conditions. Whenever manually lifting single panels, a minimum of two people should carry each panel and the panel should be carried on its side (not flat). Good lifting techniques and a clean worksite should be maintained.
Conditions for safe storage	Safety assessment and control of storage area should be undertaken. Protect the supplied AAC product against physical damages. Keep away from reactive products. Do not store near food, beverages, or smoking materials. Maintain appropriate dust controls during handling
Methods and materials for contamination and clean up.	Use proper personal protective equipment as indicated in Section 8. Vacuuming or wet sweeping up dust and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

SECTION 7: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards	Total dust (of any type or particle size): TWA – 10 mg/m ³ Respirable dust (of any type or particle size): TWA – 10 mg/m ³ Crystalline silica (quartz) as respirable dust: TWA – 0.1 mg/m ³
Notes on Exposure Standards	All occupational exposures to atmospheric contaminants should be kept to as low a level as is practical and in all cases to below the Workplace Exposure Standard (WES).
Biological exposure limits	None allocated
Engineering controls	Dust extraction systems should be appropriately filtered as required by local council regulations. The site should also be cleaned at regular intervals to prevent dust accumulation.
Recommended personal protective equipment (PPE)	
Skin protection	Protective clothing such as long sleeve shirts and trousers, or overalls to prevent possible skin irritation. This will also have the added benefit of protecting outside workers from the sun.
Eye protection	Safety glasses with side shields are recommended. Maintain eyewash facilities at worksite. Eye protection in accordance with AS 1336
Respiratory protection	For most conditions, no respiratory protection should be needed. Protective respirators should be of class P1 or P2 (to AS/NZS 1715 and AS/NZS 1716) and recommended for dust, at a minimum.
Personal Hygiene	Regularly clean personal protective equipment and wash hands.

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SECTION 8: TOXICOLOGICAL INFORMATION

Routes of Exposure	Skin contact, Eye contact, Inhalation and Swallow
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Health Effects

Inhalation	<p>Acute: Exposure to silica dust may cause irritation to the mucous membranes of the nose, throat, and upper respiratory system. It may also leave unpleasant deposits in the nose.</p> <p>Chronic: Prolonged exposure to respirable free crystalline silica may aggravate other lung conditions. It may also cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease.</p>
Skin Contact	<p>Acute: Touch the material with bare skin may cause drying of the skin with consequent mild irritation or abrasion.</p> <p>Chronic: Repeated drastic contact can cause severe skin damage in the form of skin rash</p>
Eye Contact	<p>Acute: Eye contact by larger amounts of silica dust may cause effects ranging from moderate eye irritation to chemical burns.</p> <p>Chronic: May cause long-term irritation or inflammation.</p>
Swallow	Although small quantities of dust are not known to be harmful, ill effects are possible if larger quantities are consumed
Special Health Effects	Prolonged or repeated inhalation of respirable crystalline silica dust may lead to Silicosis - A progressive and deadly disease that causes fibrosis of the lungs from the inhalation of respirable crystalline silica (RCS). Refer WKS-17-Dust-silica-dust-in-the-workplace.pdf (worksafe.govt.nz)

SECTION 9: OTHER INFORMATION

Issued on Dec 2023
Reflects GHS, EPA and Worksafe NZ requirements
Review and update in every 5 years
For further information on this product, contact Loxo Cladding Systems NZ Ltd. www.loxocladding.co.nz
This is a non mandated safety data sheet. The product is not classified as Hazardous. This SDS provides workers advice about the risk of respirable crystalline silica (RCS) when working with AAC panels and guidance for safe working practices to prevent harm while handling or installing the product.

The information contained in this safety data sheet (SDS) is believed to be accurate and represent the best information currently available to us. The information presented should not be construed as legal, technique, or any other professional advice or service. Users are advised to make their own investigations to determine the suitability of the information for their purposes. Loxo Cladding NZ Limited nor any of its directors or employees should accept responsibility for loss or damage occasioned to any person acting or refraining from action because of inappropriate use of the information.