

Safety Data Sheet

in accordance with HSNO

Printing date 17.12.2020

Revision: 17.12.2020

1 Identification of the substance or mixture and of the supplier

Product Name: XLam CLT Panel Untreated

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Timber panels for construction applications.

Details of Manufacturer or Importer:

XLam NZ Ltd
60m Surrey Crescent, Grey Lynn,
Auckland 1021, New Zealand

Phone Number: 03 538 0930

Emergency telephone number: 03 538 0930

2 Hazards identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

The product is not classified, according to the Globally Harmonised System (GHS).

HSNO Classification None

Signal Word None

Hazard Statements None

Precautionary Statements Not applicable

Additional Information

Trace amounts of hazardous components from the adhesive solution are linked to respiratory and skin sensitisation. These effects are only present when the product is processed (e.g. sanding, drilling, cutting) and dust is either in contact with the skin or inhaled at a respirable size.

3 Composition/Information on ingredients

Chemical Characterization: Mixtures

Description: Product is an article composed of softwood and adhesives.

Hazardous Components:

CAS: 915152-15-7	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,3-diisocyanatomethylbenzene, hydrazine and 2-methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1) ⚠ Respiratory Sensitisation 1, H334; STOT RE 2, H373; ⚠ Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Skin Sensitisation 1, H317; STOT SE 3, H335	<1%
CAS: 9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester ⚠ Acute Toxicity (Inhalation) 2, H330; ⚠ STOT SE 1, H370; STOT RE 1, H372; ⚠ Serious Eye Damage/Irritation 2A, H319; Skin Corr. 3, H316	<0.5%
CAS: 101-68-8	4,4'-methylenediphenyl diisocyanate ⚠ Acute Toxicity (Inhalation) 2, H330; ⚠ Respiratory Sensitisation 1, H334; STOT SE 1, H370; STOT RE 1, H372; ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Skin Sensitisation 1, H317; Acute Toxicity (Oral) 5, H303	<0.1%
Non Hazardous Components:		
Softwood		≤99%

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Additional information:

Other components of the product include:

LignaGuard Resene (<0.02%), and 1-component-polyurethane adhesive (0.5% - 0.9%).

4 First aid measures**Inhalation:**

Inhalation is not considered a potential route of exposure as sold, however may occur during further processing (sanding, drilling, cutting etc.)

If dust is inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact with dust, 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 with dust, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

Due to the products form and application, ingestion is considered unlikely. If dust is swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: Dust may cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of dust may also cause respiratory irritation.

Skin Contact: Dust may cause an allergic skin reaction and mild irritation.

Eye Contact: Dust may cause mechanical irritation, redness, and lachrymation.

Ingestion: Dust may cause gastrointestinal irritation, nausea, diarrhoea, and vomiting.

5 Fire fighting measures**Suitable Extinguishing Media:** Use water spray or fog when fighting large fires.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, and other hydrocarbon products when heated.

Product is not flammable but may burn or decompose in a fire.

Finely divided dust may form explosive mixtures with air.

Use water fog to cool intact containers and nearby storage areas.

Prevent firefighting run-off from entering drains or water courses.

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 upwind from affected area. Ensure adequate ventilation. Avoid generating and breathing 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:

Pick up large pieces and clean up the small pieces and dusts with a vacuum or by a wet sweeping technique.

Do not use compressed air.

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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. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store in a cool, dry and well-ventilated area. Protect from heat, sparks, open flames, and other sources of ignition.

8 Exposure controls/personal protection

Exposure Standards:

Softwood

WES TWA: 2 mg/m³

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation if sanding, drilling, or cutting.

Respiratory Protection:

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

Skin Protection:

Leather or cotton gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. Occupational protective clothing is not required under normal conditions of use.

Eye and Face Protection:

Dust-proof goggles for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and chemical properties

Appearance:	Softwood
Form:	Solid
Colour:	According to product specification
Odour:	Negligible
Odour Threshold:	No information available
pH-Value:	Not applicable.
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable
Ignition Temperature	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density:	No information available
Vapour Density:	No information available

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Solubility in Water: Insoluble
Partition Coefficient (n-octanol/water): No information available
Viscosity: No information available

10 Stability and reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

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

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: None known.

Hazardous Decomposition Products:

Hazardous combustion products include oxides of carbon and nitrogen, and other hydrocarbon products when heated.

11 Toxicological information

Toxicity:

LD50/LC50 Values Relevant for Classification:

CAS: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

Oral	LD50	49 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalation	L50/4 h	490 mg/m ³ (rat)

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD50	2,200 mg/kg (mouse) 9,200 mg/kg (rat)
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Acute Health Effects

Inhalation:

Dust may cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of dust may also cause respiratory irritation.

Skin: Dust may cause an allergic skin reaction and mild irritation.

Eye: Dust may cause mechanical irritation, redness, and lachrymation.

Ingestion: Dust may cause gastrointestinal irritation, nausea, diarrhoea, and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

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

Carcinogenicity:

Wood dust is classified by IARC as Group 1 - Carcinogenic to humans.

Polymethylene polyphenyl isocyanate is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

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

Specific Target Organ Toxicity (STOT) - Single Exposure:

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

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

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

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Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** No data available.

12 Ecological information

Ecotoxicity:**Aquatic toxicity:****CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

EC50/24 h >1,000 mg/l (daphnia)

EC50/3 h >100 mg/l (activated sludge inhibition)

LC50/96 h >1,000 mg/l (brachydanio rerio)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**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

HSNO Approval Code / Group Standard:

This product is non-hazardous and so is exempt from HSNO approval.

New Zealand Inventory of Chemicals

All ingredients are listed.

16 Other information

Date of Preparation or Last Revision: 17.12.2020**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

WES: Workplace Exposure Standard

Acute Toxicity (Oral) 5: Acute toxicity - oral - Category 5

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Acute Toxicity (Inhalation) 2: Acute toxicity - inhalation – Category 2
Acute Toxicity (Inhalation) 4: Acute toxicity - inhalation – Category 4
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Skin Corr. 3: Skin corrosion/irritation – Category 3
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
Respiratory Sensitisation 1: Respiratory sensitisation, Hazard Category 1
Skin Sensitisation 1: Skin sensitisation, Hazard Category 1
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Disclaimer

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

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