

# Identification of Substance & Company

### **Product**

Product name Casali Reinforced Bitumen Sheets for Roof Waterproofing

**HSNO approval** NA – non hazardous **Approval description** Non hazardous

UN number NA
Proper Shipping Name NA
DG class NA
Packaging group NA
Hazchem code NA

**Uses** Waterproofing membrane

**Company Details** 

Company Allco Waterproofing Solutions

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 Website
 www.allco.co.nz

## 2. Hazard Identification

### Approval

This product is not considered hazardous under the Hazardous Substances and New Organisms Act (HSNO), according to the criteria in the Hazardous substances (Hazard Classification) Notice 2020.

## **GHS Classes**

**Hazard Statements** 

None SYMBOLS none

# Other Classifications

No other classifications are known to apply.

# **Precautionary Statements**

none

# 3. Composition / Information on Ingredients

Component	CAS/ Identification	Conc (%)
Non hazardous ingredients	proprietary	100%

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

### 4. First Aid

### **General Information**

If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

Recommended first aid facilities

Ready access to running water is recommended.

**Exposure** 

**Swallowed** Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor.

**Eye contact** If product gets in eyes, wash material from them with running water for several minutes.

If symptoms persist, seek medical advice.

Skin contact Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and

water. If skin irritation occurs: get medical advice/attention.

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Inhaled If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for

> breathing. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor. If experiencing respiratory symptoms: Immediately call a

> There are no specific risks for fire/explosion for this chemical. Material can burn in a fire.

Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat

POISON CENTER or doctor.

### **Advice to Doctor**

Treat symptomatically

# **Firefighting Measures**

Fire and explosion hazards:

Suitable extinguishing

substances:

Unsuitable extinguishing

substances:

Products of combustion:

Protective equipment:

and eye protection. Hazchem code:

**Accidental Release Measures** 

In all cases design storage to prevent discharge to stormwater. Containment

**Emergency procedures** A large spill is unlikely due to the nature of the product (rolls of material). In the event of a

large spillage (>100kg) alert the fire brigade to location and give brief description of

hazard.

Prevent by whatever means possible any spillage from entering drains, sewers, or water

courses. (If this occurs contact your regional council immediately).

Foam. Powder. Carbon dioxide (CO2). Dry chemical, foam, water fog.

Product may decompose in a fire and produce toxic or corrosive fumes.

Do not use water jet as an extinguisher, as this will spread the fire.

Clean-up method Collect product and seal in properly labelled containers or drums for disposal. If

contamination of crops, sewers or waterways has occurred advise local emergency

services.

**Disposal** Collect recoverable material into labelled containers for recycling or salvage. Recycle

containers wherever possible. This material may be suitable for approved landfill.

Dispose of only in accord with all regulations.

**Precautions** No special protective clothing is normally necessary.

Storage & Handling

Storage Store in a cool dry place.

Avoid storage of harmful substances with food.

Avoid contact with incompatible substances as listed in Section 10.

Handling Do not breathe fumes/dusts, especially if this product is used as high temperatures. See section 8 with regard to personal protective equipment requirements. Avoid skin and

eye contact and inhalation of fumes.

## **Exposure Controls / Personal Protective Equipment**

## **Workplace Exposure Standards**

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 3mg/m³ for respirable particulates and 10mg/m³ for inhalable particulates when limits have not otherwise been established.

**NZ Workplace** Ingredient WES-TWA WES-STEL **Exposure Stds** Bitumen fumes No NZ value. Australia: 5mg/m<sup>3</sup> Not established

### **Engineering Controls**

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.



# **Personal Protective Equipment**

General Personal Protective Equipment (PPE) should not be used as the primary means of

exposure protection, except in the event of an accident or emergency situation or where

all other means of protection have proven to inadequate.

Clean PPE after use or dispose of as appropriate. Store PPE for re-use in a clean place. Regular training on the correct use of PPE should be provided. In particular the correct fitting and use of respirators and where applicable the cleaning of respirators should be

undertaken.

**Eyes** Protective eyewear is not normally necessary when using this product. However, it

always prudent to use protective eyewear if fumes/dusts are likely.

If discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or Skin

> sensitive skin), gloves may be helpful. If you suffer from dermatitis type skin conditions, use gloves. Protective gloves or suitably resistant material must comply with AS 2161.

Replace frequently. Gloves should be checked for tears or holes before use.

Respiratory A respirator when airborne concentrations approach the WES (section 8). Respirators

must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are

necessary.

### **WES Additional Information**

Not applicable

# **Physical & Chemical Properties**

**Appearance** coloured membrane rolls Odour slight bitumen odour

**Odour Threshold** no data рΗ no data

Freezing/melting point >100°C (bitumen) >470°C (bitumen) **Boiling Point** >230°C (bitumen) **Flashpoint Flammability** non flammable Upper & lower flammable limits no LEL or UEL Vapour pressure no data Vapour density no data Specific gravity/density 1-1.5kg/L

Solubility insoluble in water Partition coefficient no data

Auto-ignition temperature >485°C (bitumen)

**Decomposition temperature** no data Viscosity not applicable no data

**Particle Characteristics** 

#### 10. Stability & Reactivity

Stability This product is unlikely to react or decompose under normal storage conditions. This

product will not undergo polymerisation reactions. It is thermally stable.

Keep away from heat, flames and sparks.

Conditions to be avoided Incompatible groups Oxidising agents Substance Specific None known Incompatibility

Hazardous decomposition May emit oxides of carbon, oxides of nitrogen, smoke and other toxic fumes.

**Hazardous reactions** none known

products



# 11. Toxicological Information

### Summary

IF SWALLOWED: low ingestion hazard. Unlikely route of entry, however if swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

IF IN EYES: dusts may cause physical irritation to eyes. IF ON SKIN: dusts may cause skin irritation (physical).

IF INHALED: dusts may cause irritation to mucous membranes.

# **Supporting Data**

Acute Oral Using LD<sub>50</sub>'s for ingredients, the calculated LD<sub>50</sub> (oral, rat) for the mixture is >2000 mg/kg.

**Dermal Inhaled**No evidence of dermal toxicity.
No evidence of acute inhalation toxicity.

Eye The mixture is not considered to be an eye irritant.

Skin The mixture is not considered to be a skin irritant.

**Chronic** Sensitisation No ingredient present at concentrations > 0.1% is considered a sensitizer.

**Mutagenicity** No ingredient present at concentrations > 0.1% is considered a mutagen.

**Carcinogenicity** No evidence of carcinogenicity.

Reproductive / No ingredient present at concentrations > 0.1% is considered a reproductive or

**Developmental** developmental toxicant or have any effects on or via lactation.

**Systemic** No evidence of system target organ toxicity.

Aggravation of None known.

existing conditions

## 12. Ecological Data

### Summary

This mixture is not considered ecotoxic.

### **Supporting Data**

Aquatic Using EC<sub>50</sub>'s for ingredients, the calculated EC<sub>50</sub> for the mixture is > 100 mg/L

**Bioaccumulation** Nt considered bioaccumulative. **Degradability** Not readily biodegradable

Soil Not consided ecotoxic in the soil environment.

Terrestrial vertebrate Not harmful towards terrestrial vertebrates

Terrestrial invertebrate No evidence to toxicity towards terrestrial invertebrates

Biocidal Not biocidal

Environmental effect levels No EELs are available for this mixture or ingredients

## 13. Disposal Considerations

**Restrictions** There are no product-specific restrictions, however, local council and resource consent

conditions may apply, including requirements of trade waste consents.

Disposal method Disposal of this product must comply with the Hazardous Substances (Disposal) Notice

2017 and the requirements of the Resource Management Act for which approval should

be sought from the Regional Authority.

**Contaminated packaging**Disposal of contaminated packaging must comply with the Hazardous Substances

(Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible

reuse or recycle packaging.



# 14. Transport Information

Land Transport Rule: Dangerous Goods 2005 - NZS 5433:2007

There are no specific restrictions for this product (not a dangerous good).

UN number:NAProper shipping name:NAClass(es)NAPacking group:NAPrecautions:NAHazchem code:NA

**IMDG** 

UN number: NA Proper shipping name: Not regulated

Class(es) NA Packing group: NA Precautions: NA EmS NA

**IATA** 

UN number: NA Proper shipping name: Not regulated

Class(es) NA Packing group: NA Precautions: NA ERG Guide NA

# 15. Regulatory Information

This substance is not considered to be hazardous under HSNO. All ingredients appear on the NZIoC.

### **Specific Controls**

Key workplace requirements are:

SDS Not required (non hazardous), but best practice to have the SDS available.

Inventory An inventory of all hazardous substances must be prepared and maintained.

Packaging All hazardous substances should be appropriately packaged including substances

that have been decanted, transferred or manufactured for own use or have been

supplied

Labelling Must comply with the Hazardous Substances (Labelling) Notice 2017.

Emergency plan Not required. Certified handler Not required. Tracking Not required. Bunding & secondary containment Not required. Signage Not required. Location compliance certificate Not required. Flammable zone Not required. Fire extinguisher Not required.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

### Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

# 16. Other Information

### **Abbreviations**

**Approval Code** NA – non hazardous.

**EC**<sub>50</sub> Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test

population (e.g. daphnia, fish species)

EPA Environmental Protection Authority (New Zealand)
GHS Globally Harmonised System of Classification and

Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised

edition, 2017, published by the United Nations.

**HAZCHEM Code** Emergency action code of numbers and letters that provide information to emergency

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services, especially fire fighters

HSNO Hazardous Substances and New Organisms (Act and Regulations)

IARC International Agency for Research on Cancer

**LEL** Lower Explosive Limit

**LD**<sub>50</sub> Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).

Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population

(usually rats)

NZIoC New Zealand Inventory of Chemicals

STEL Short Term Exposure Limit - The maximum airborne concentration of a chemical or

biological agent to which a worker may be exposed in any 15 minute period, provided the

TWA is not exceeded

**STOT RE**System Target Organ Toxicity – Repeated Exposure
STOT SE
System Target Organ Toxicity – Single Exposure

Time Weighted Average – generally referred to WES averaged over typical work day

(usually 8 hours)

UELUpper Explosive LimitUN NumberUnited Nations Number

WES Workplace Exposure Standard - The airborne concentration of a biological or chemical

agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring

using procedures that gather air samples in the worker's breathing zone.

References

Data

Unless otherwise stated comes from the EPA HSNO chemical classification information

database (CCID). www.epa.govt.nz

EPA Notices www.epa.govt.nz
WES The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available

on their web site - www.worksafe.govt.nz.

Other References: Suppliers SDS

Review

DateReason for reviewMarch 2024Not applicable – new SDS

### **Disclaimer**

This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely GHS classifications for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: +64 21 1040951

