SAFETY DATA SHEET

Issue Date 12-Sep-2018 **Revision Date** 12-Sep-2018 **Version** 1

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product Name **Arch Timber Protective Emulsion CN**

Product Code AU 00224640

Other means of identification

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (copper naphthenate, distillates (petroleum), hydrotreated light)

UN Number UN3082

Recommended use of the chemical and restrictions on use

Recommended Use Timber preservative for remedial protection of timber.

Uses advised against Consumer use
Restricted to professional users

Details of manufacturer or importer

Supplier

Arch Wood Protection Pty Ltd
Trading as Lonza Wood Protection Pty Ltd
ABN: 95 003 780 872
10 Station Street
Trentham
Victoria 3458
Australia
Telephone +61 3 5424 1350

E-mail address tanalised.au@lonza.com

Emergency telephone number

Emergency telephone number **1800 7WOOD7**

Section 2: Hazard(s) identification

APVMA : Australian Pesticides and Veterinary Medicines Authority
APVMA Code: 30699

GHS Classification

Aspiration toxicity	Category 1 - (H304)
Acute toxicity - Dermal	Category 5 - (H313)
Acute toxicity - Inhalation (Dusts/Mists)	Category 5 - (H333)
Chronic aquatic toxicity	Category 2 - (H411)

Label elements

Signal word Danger

Hazard statements
H304 - May be fatal if swallowed and enters airways
H313 - May be harmful in contact with skin
H333 - May be harmful if inhaled
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention
Avoid release to the environment
Precautionary Statements - Response
Call a POISON CENTER or doctor/physician if you feel unwell
IF INHALED: Call a POISON CENTER or doctor if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
Collect spillage
Precautionary Statements - Storage
Store locked up
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Chemical Name	CAS No.	Weight-%
Mineral oil hydrocarbons	-	30 - 60
Distillates (petroleum), hydrotreated light	64742-47-8	10 - 20
copper naphthenate	1338-02-9	10 - 20

Other ingredients	Proprietary	Balance

Section 4: First aid measures

Description of first aid measures

General advice The following are required:
Running Water
Emergency shower, hand wash, soap
CPR training, oxygen mask

Emergency telephone number Poisons Information Centre, Australia: 13 11 26

Inhalation Move to fresh air. Keep patient warm and at rest. Give oxygen or artificial respiration if needed. When symptoms persist or in all cases of doubt seek medical advice. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Skin contact Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash contaminated clothing before re-use.

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

Ingestion ASPIRATION HAZARD. May be fatal if swallowed and enters airways.

If swallowed, call a poison control center or physician immediately. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Self-protection of the first aider First aider: Pay attention to self-protection. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protection recommended in Section 8.

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11: TOXICOLOGICAL INFORMATION.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media

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

Small Fire Dry chemical or CO2.

Large Fire Alcohol resistant foam.

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors
Do not allow run-off from fire-fighting to enter drains or water courses

Hazardous combustion products Carbon dioxide (CO2). Oxides of sulfur. Nitrogen oxides (NOx).

Special protective actions for fire-fighters

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

Hazchem code •3Z.
Legend IERG Code: 47

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8.

For emergency responders
Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Dispose of contents/container to an approved waste disposal plant.

Methods and material for containment and cleaning up

Methods for containment
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up
Pick up and transfer to properly labeled containers. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

Precautions to prevent secondary hazards

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections
See section 7 for more information. See section 8 for more information. See section 13 for more information.

Section 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Advice on safe handling
Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. When using do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Regular cleaning of equipment, work area and clothing is recommended.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials
Incompatible with oxidizing agents.

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls	Showers Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Hand Protection	The selected protective gloves have to satisfy the specifications of AS 2161

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection Wear suitable protective clothing. Clothing material compliant with AS 4501, and footwear compliant with AS/NZS 2210 are recommended.

Respiratory protection Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.
AS/NZS 1716:2012 : Respiratory protective devices
AS/NZS 1715:2009 : Selection, use and maintenance of respiratory protective equipment

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Paste / Gel		
Appearance	gel	**Odor**	Slightly ammoniacal and oily
Color	light green	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	ca. 8	
Melting point / freezing point		No information available
Boiling point / boiling range	ca. 100 °C	
Flash point	180 °C	CC (closed cup)
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		
Lower flammability limit:		
Vapor pressure		No information available
Vapor density	>1	(Air = 1)
Relative density	ca. 0.95	
Water solubility	Soluble in water	
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

VOC Content (%)	No information available
Bulk density	No information available

Section 10: Stability and reactivity

Reactivity
No data available.

Chemical stability

Stable under normal conditions.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Incompatible with oxidizing agents.

Hazardous Decomposition Products

None under normal use conditions.

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation Avoid breathing dust or spray mist.

Eye contact May cause irritation. Avoid contact with eyes.

Skin contact May be harmful in contact with skin. Avoid contact with skin and clothing.

Ingestion Do not taste or swallow.
Aspiration hazard. May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 5394 mg/kg
ATEmix (dermal) 3255 mg/kg
ATEmix (inhalation-dust/mist) 11.30 mg/l

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral oil hydrocarbons	>5000 mg/kg (RT)	>2000 mg/kg (RBT)	5.53 mg/l (RT) 4h
Distillates (petroleum), hydrotreated light	> 5000 mg/kg (RT)	> 2000 mg/kg (RBT)	-
copper naphthenate	2000 mg/kg (RT)	-	-

RT = Rat
RBT = Rabbit

MSE = Mouse
GP = Guinea Pig
V = Vapour

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
Not classified.

Serious eye damage/eye irritation
Not classified.

Sensitization
Not classified.

Germ cell mutagenicity
Not classified.

Carcinogenicity
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Chemical Name	Australia	IARC
Mineral oil hydrocarbons -	Not classified	Group 1
copper naphthenate - 1338-02-9	Not classified	Group 2A

Reproductive toxicity
Not classified.

STOT - single exposure
Not classified.

STOT - repeated exposure
Not classified.

Aspiration hazard
May be fatal if swallowed and enters airways.

Section 12: Ecological information

Ecotoxicity

LC50: Lethal Concentration to 50% of a test population
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Mineral oil hydrocarbons	*>100 mg/L EC50 72h (Pseudokirchneriella subcapitata)*	*>100 mg/L LC50 96h (Pimephales promelas)*	*>10000 mg/L EC50 48h (Daphnia magna)*
Distillates (petroleum), hydrotreated light	*>1.0 mg/L EC50 72h (Pseudokirchneriella subcapitata)*	*>2.0 mg/L LC50 96h (Oncorhynchus mykiss)*	*1.4 mg/L EC50 48h (Daphnia magna)*

Persistence and degradability
No information available.

Bioaccumulative potential
No information available.

Mobility

Mobility in soil
No information available.

Mobility
Partition coefficient. - see table below.

Other adverse effects
No information available.

Section 13: Disposal considerations

Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: Transport information

ADG

UN Number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class	9
Packing Group	III
Environmental hazard	Yes
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (copper naphthenate, distillates (petroleum), hydrotreated light), 9, III

Hazchem code •3Z.

IATA

UN/ID no	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Hazard Class	9
Packing Group	III
ERG Code	9L
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (copper naphthenate, distillates (petroleum), hydrotreated light), 9, III

IMDG

UN/ID no	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Hazard Class	9
Packing Group	III
EmS-No	F-A, S-F
Marine pollutant	This material meets the definition of a marine pollutant
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (copper naphthenate, distillates (petroleum), hydrotreated light), 9, III

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia
APVMA : Australian Pesticides and Veterinary Medicines Authority APVMA Code: 30699

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)
Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)
Poison Schedule Number: S5

National pollutant inventory
Subject to reporting requirement

Chemical Name	National pollutant inventory
copper naphthenate - 1338-02-9	10 tonne/yr Threshold category 1 2000 tonne/yr Threshold category 2b 60000 MWH Threshold category 2b 20 MW Threshold category 2b

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	No information
ENCS	No information
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International Regulations

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Section 16: Any other relevant information

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Revision Note
First issue in new format.

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

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet