

Section 1: Identification: Product identifier and chemical identity

Product identifier

Product Name

Arch CN Timber Oil Preservative

Product Code

AU 00224641

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 out of ground contact 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: 30700

GHS Classification

Aspiration toxicity	Category 1 - (H304)
Acute toxicity - Oral	Category 5 - (H303)
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

H303 - May be harmful if swallowed
 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	-	>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.
<u>Most important symptoms and effects, both acute and delayed</u>	
Symptoms	See Section 11: TOXICOLOGICAL INFORMATION.
<u>Indication of any immediate medical attention and special treatment needed</u>	
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 (NO_x).

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**

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with local, regional, national, and international regulations as applicable.

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	Liquid	Odor	Hydrocarbons
Appearance	Oily fluid	Odor threshold	No information available
Color	dark green		
Property	Values	Remarks • Method	
pH		No information available	
Melting point / freezing point		No information available	
Boiling point / boiling range		No information available	
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. 0.9		
Water solubility	Insoluble 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		
<u>Other Information</u>			
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 vapors or mists.

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 Harmful if swallowed. 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) 3913 mg/kg
ATEmix (dermal) 2458 mg/kg
ATEmix (inhalation-dust/mist) 8.79 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

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 (<i>Pseudokirchneriella subcapitata</i>)	>100 mg/L LC50 96h (<i>Pimephales promelas</i>)	>10000 mg/L EC50 48h (<i>Daphnia magna</i>)
Distillates (petroleum), hydrotreated light	>1.0 mg/L EC50 72h (<i>Pseudokirchneriella subcapitata</i>)	>2.0 mg/L LC50 96h (<i>Oncorhynchus mykiss</i>)	1.4 mg/L EC50 48h (<i>Daphnia magna</i>)

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility

Mobility in soil

No information available.

Mobility

No information available.

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	Not regulated
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: 30700

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

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	Complies
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