

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 (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

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 | Odor | Slightly ammoniacal and oily |
| Appearance | gel | Odor threshold | No information available |
| Color | light green | | |
| Property | Values | Remarks • Method | |
| pH | ca. 8 | No information available | |
| Melting point / freezing point | | No information available | |
| Boiling point / boiling range | ca. 100 °C | CC (closed cup) | |
| Flash point | 180 °C | No information available | |
| 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

| 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

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

Issue Date 12-Sep-2018

Revision Date 12-Sep-2018

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