



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TANALITH E 8000

Version 1.7 / EN

Revision Date 13.11.2014

Print Date 06.01.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : TANALITH E 8000

Product-specific registration-no. : 9522

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Wood preservatives

1.3 Details of the supplier of the safety data sheet

Company : Arch Timber Protection
Wheldon Road
Castleford
United Kingdom
WF10 2JT

Telephone : +44 (0)1977 714000
Telefax : +44 (0)1977 714001
Responsible/issuing person : advice@archchemicals.com
E-mail address

1.4 Emergency telephone number

Emergency telephone number : +44 (0)1235 239 670

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Corrosive	R34: Causes burns.
Harmful	R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
Dangerous for the environment	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

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Hazard pictograms :



Corrosive

Dangerous
for the
environment

R-phrases :

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R34

Causes burns.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases :

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28

After contact with skin, wash immediately with plenty of water.

S35

This material and its container must be disposed of in a safe way.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

S57

Use appropriate container to avoid environmental contamination.

Hazardous components which must be listed on the label:

- 2-Aminoethanol 141-43-5
- Copper(II) carbonate--copper(II) hydroxide (1:1) 12069-69-1

Sensitising components :

Propiconazole

May produce an allergic reaction.

2.3 Other hazards

Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)

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2-Aminoethanol	141-43-5 205-483-3	Xn; R20/21/22 C; R34	Acute Tox.4; H332 Acute Tox.4; H312 Acute Tox.4; H302 Skin Corr.1B; H314	>= 25 - < 50
Copper(II) carbonate-- copper(II) hydroxide (1:1)	12069-69-1 235-113-6	Xn; R22	Acute Tox.4; H302 Aquatic Acute1; H400	>= 10 - < 20
Tallow alkyl amines, ethoxylated	61791-26-2	Xn; R22 Xi; R38 Xi; R41 N; R50/53	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 2.5 - < 5
Fatty acids, C8-10	68937-75-7 273-086-2	C; R34	Skin Corr.1; H314	< 5
Organic acid		Xi; Xi; R36-R38	Skin Irrit.2; H315 Eye Irrit.2; H319	< 10
N,N-Didecyl-N,N- dimethylammonium carbonate (3:2)	894406-76-9	Xn; R22 C; R34 N; R50	Acute Tox.3; H301 Skin Corr.1B; H314 Aquatic Acute1; H400	< 5
Propiconazole	60207-90-1 262-104-4	Xn; R22 R43 N; R50-R53	Acute Tox.4; H302 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0.1 - < 0.25
Tebuconazole	107534-96-3 4036402	Repr.Cat.3; R63 Xn; R22 N; R51-R53	Repr.2; H361d Acute Tox.4; H302 Aquatic Chronic2; H411	< 2.5
Didecyl dimethylammoni um chloride	7173-51-5 230-525-2	Xn; R22 C; R34 N; R50	Acute Tox.4; H302 Skin Corr.1B; H314 Aquatic Acute1; H400 Aquatic Chronic1; H410	< 5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Immediate medical attention is required.
Move out of dangerous area.
- If inhaled : Move to fresh air.
Keep patient warm and at rest.
Give oxygen or artificial respiration if needed.
Immediate medical attention is required.
- In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off immediately with plenty of water for at least 15 minutes.
Immediate medical attention is required.
Wash contaminated clothing before re-use.

- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Immediate medical attention is required.
Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
- If swallowed : Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Immediate medical attention is required.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : See chapter
11. Toxicological information

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Carbon dioxide (CO₂)
Water spray

- Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : The product is not flammable.
Do not allow run-off from fire fighting to enter drains or water courses.
Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Ensure adequate ventilation.
Avoid contact with the skin and the eyes.

Refer to protective measures listed in sections 7 and 8.
Wear protective gloves/protective clothing/eye protection/face protection.
Take off contaminated clothing and shoes immediately.
Wash contaminated clothing before re-use.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.
Sand
Retain and dispose of contaminated wash water.
: Pick up and transfer to properly labelled containers.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Additional advice : See chapter
8. Exposure controls/personal protection
13. Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Use only in an area equipped with a safety shower.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Use appropriate container to avoid environmental contamination.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Wood preservatives

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-Aminoethanol	141-43-5	TWA	1 ppm 2.5 mg/m ³	12 2011	EH40 WEL
2-Aminoethanol	141-43-5	STEL	3 ppm 7.6 mg/m ³	12 2011	EH40 WEL
2-Aminoethanol	141-43-5	TWA	1 ppm 2.5 mg/m ³	12 2009	ECTLV
2-Aminoethanol	141-43-5	STEL	3 ppm 7.6 mg/m ³	12 2009	ECTLV

8.2 Exposure controls

Engineering measures

Provide adequate ventilation.

Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
Respirator with filter for organic vapour (EN 141)
- Hand protection : The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
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.
Impervious gloves
Nitrile rubber
- Eye protection : Wear protective gloves/ protective clothing/ eye protection/ face protection.
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

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- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
impervious clothing
If splashes are likely to occur, wear:
Complete suit protecting against chemicals
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
Ensure that eyewash stations and safety showers are close to the workstation location.
When using do not eat, drink or smoke.
Take off contaminated clothing and wash before reuse.

Protective measures



Environmental exposure controls

- General advice : The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.
Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
Colour : blue
- Odour : ammoniacal
- Flash point : Note: does not flash
- pH : 10.91
at
20 °C
- Density : 1.184 g/cm³
at 20 °C
- Water solubility : Note: completely soluble
- Viscosity, dynamic : 40 mPa.s
at 5 °C

9.2 Other information

- Oxidising potential : Note: Not relevant

SECTION 10: Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Note: Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition : Note: None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Remarks: Harmful if swallowed.
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Acute inhalation toxicity : Remarks: Harmful by inhalation.
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Acute dermal toxicity : Remarks: Harmful in contact with skin.
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Skin corrosion/irritation

Skin irritation : Remarks: Causes skin burns.
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Serious eye damage/eye irritation

Eye irritation : Remarks: Causes eye burns.
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Respiratory or skin sensitisation

Sensitisation : Remarks: Not believed to be sensitising to skin.
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Further information : no data available
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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish : Remarks: no data available
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Ecotoxicology Assessment

Chronic aquatic toxicity : Very toxic to aquatic organisms, may cause long-term adverse
TANALITH E 8000 effects in the aquatic environment.

12.2 Persistence and degradability

Biodegradability : Remarks: no data available
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12.3 Bioaccumulative potential

Bioaccumulation : Remarks: no data available
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12.4 Mobility in soil

Mobility : Remarks: no data available
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12.5 Results of PBT and vPvB assessment

TANALITH E 8000 : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information
TANALITH E 8000 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Dispose of as hazardous waste in compliance with local and national regulations.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

Dangerous for Transport

IATA

14.1 UN number	: 1760
14.2 Proper shipping name	: Corrosive liquid, n.o.s. (2-Aminoethanol, Copper(II) carbonate-- copper(II) hydroxide (1:1))
14.3 Transport hazard class	: 8
14.4 Packing group	: II
Labels	: 8
14.5 Environmental hazards	: yes

IMDG

14.1 UN number	: 1760
14.2 Proper shipping name	: Corrosive liquid, n.o.s. (2-Aminoethanol, Copper(II) carbonate-- copper(II) hydroxide (1:1))
14.3 Transport hazard class	: 8
14.4 Packing group	: II
Labels	: 8
EmS Number 1	: F-A
EmS Number 2	: S-B
14.5 Environmental hazards	: Marine pollutant: yes

ADR

14.1 UN number	: 1760
14.2 Proper shipping name	: CORROSIVE LIQUID, N.O.S. (2-Aminoethanol, Copper(II) carbonate-- copper(II) hydroxide (1:1))
14.3 Transport hazard class	: 8
14.4 Packing group	: II
Classification Code	: C9
Hazard Identification Number	: 80
Labels	: 8
14.5 Environmental hazards	: yes

RID

14.1 UN number	: 1760
14.2 Proper shipping name	: CORROSIVE LIQUID, N.O.S. (2-Aminoethanol, Copper(II) carbonate-- copper(II) hydroxide (1:1))
14.3 Transport hazard class	: 8
14.4 Packing group	: II
Classification Code	: C9
Hazard Identification Number	: 80
Labels	: 8
14.5 Environmental hazards	: yes

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DOT

14.1 UN number	:	1760
14.2 Proper shipping name	:	Corrosive liquids, n.o.s. (2-Aminoethanol, Copper(II) carbonate-- copper(II) hydroxide (1:1))
14.3 Transport hazard class	:	8
14.4 Packing group	:	II
Labels	:	8
Emergency Response Guidebook Number	:	154
14.5 Environmental hazards	:	yes

TDG

14.1 UN number	:	1760
14.2 Proper shipping name	:	CORROSIVE LIQUID, N.O.S. (2-Aminoethanol, Copper(II) carbonate-- copper(II) hydroxide (1:1))
14.3 Transport hazard class	:	8
14.4 Packing group	:	II
Labels	:	8
14.5 Environmental hazards	:	yes
14.6 Special precautions for user	:	
Other information	:	Refer to protective measures listed in sections 7 and 8.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:	
Remarks	:	Not relevant

SECTION 15: Regulatory information

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

Major Accident Hazard Legislation	:	96/82/EC Update: 2003 Dangerous for the environment 9a Quantity 1: 100 t Quantity 2: 200 t
Water contaminating class (Germany)	:	WGK 3 highly water endangering

15.2 Chemical Safety Assessment

Not applicable

SECTION 16: Other information

Full text of R-Phrases

R20/21/22	: Harmful by inhalation, in contact with skin and if swallowed.
R22	: Harmful if swallowed.
R34	: Causes burns.
R36	: Irritating to eyes.
R38	: Irritating to skin.
R41	: Risk of serious damage to eyes.
R43	: May cause sensitisation by skin contact.
R50	: Very toxic to aquatic organisms.
R50/53	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51	: Toxic to aquatic organisms.
R53	: May cause long-term adverse effects in the aquatic environment.
R63	: Possible risk of harm to the unborn child.

Full text of H-Statements

H301	: Toxic if swallowed.
H302	: Harmful if swallowed.
H312	: Harmful in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H361d	: Suspected of damaging the unborn child.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.

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