



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

TANALITH E 8000

Version 1.3 / EN

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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 : Preservative

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

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)

TANALITH E 8000

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

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 [%]
2-Aminoethanol	141-43-5 205-483-3	C; R34 Xn; R20/21/22		>= 25 - < 50

TANALITH E 8000

Copper(II) carbonate-- copper(II) hydroxide (1:1)	12069-69-1 235-113-6	Xn; R22		>= 10 - < 20
Organic acid		Xi; Xi; R36-R38	Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 10
cationic surfactant		Xi; Xi; R41 N; R51-R53	Eye Dam. 1; H318 Aquatic Chronic 2; H411	< 2.5
N,N-Didecyl-N,N- dimethylammonium carbonate (3:2)	894406-76-9	Xn; R22 C; R34 N; R50		< 5
Propiconazole	60207-90-1 262-104-4	Xn; R22 R43 N; R50-R53		>= 0.1 - < 0.25
Tebuconazole	107534-96-3 4036402	Repr.Cat.3; R63 Xn; R22 N; R51-R53		< 2.5
Didecyldimethylammoni um chloride	7173-51-5 230-525-2	C; R34 Xn; R22		< 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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.

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.

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

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 uses

- Specific use(s) : Preservative

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-Aminoethano	141-43-5	STEL	3 ppm 7.6 mg/m ³	2007-08-01	GB EH40

TANALITH E 8000

Further information	: Sk: Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
2-Aminoethano	141-43-5	TWA	1 ppm 2.5 mg/m3	2007-08-01	GB EH40
Further information	: Sk: Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
2-Aminoethano	141-43-5	TWA	1 ppm 2.5 mg/m3	2006-02-09	2006/15/EC
Further information	: skin: Identifies the possibility of significant uptake through the skin Indicative				
2-Aminoethano	141-43-5	STEL	3 ppm 7.6 mg/m3	2006-02-09	2006/15/EC
Further information	: skin: Identifies the possibility of significant uptake through the skin Indicative				

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.

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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : blue

Odour : ammoniacal

Flash point : Note: not determined

pH : 10.91
at
20 °C

Density : 1.184 g/cm³
at 20 °C

Water solubility : Note: completely soluble

Viscosity, dynamic : 40 mPas
at 5 °C

9.2 Other information

Oxidising potential : Note: Not relevant

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.

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 sensitization

Sensitisation
TANALITH E 8000 : Remarks: Not believed to be sensitising to skin.

Further information
TANALITH E 8000 : no data available

12. Ecological information

12.1 Toxicity

Ecotoxicology Assessment

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

12.2 Persistence and degradability

Biodegradability
TANALITH E 8000 : Remarks: no data available

12.3 Bioaccumulative potential

Bioaccumulation
TANALITH E 8000 : Remarks: no data available

12.4 Mobility in soil

Mobility
TANALITH E 8000 : Remarks: no data available

12.5 Results of PBT and vPvB assessment

TANALITH E 8000 : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor 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.

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.

14. Transport information

Dangerous for Transport

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 No : 80
Labels : 8
14.5 Environmentally hazardous : yes

IATA_C

14.1 UN number : 1760
14.2 Proper shipping name : Corrosive liquid n.o.s.

TANALITH E 8000

(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 Environmentally hazardous : 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 Marine pollutant : yes
Copper(II) carbonate--copper(II) hydroxide (1:1)

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

15. Regulatory information

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

Major Accident Hazard : 96/82/EC Update: 2003
Legislation : Dangerous for the environment
9a
Quantity 1: 100 t
Quantity 2: 200 t

Water contaminating class : WGK 3 highly water endangering
(Germany)

15.2 Chemical Safety Assessment

not applicable

16. Other information

Full text of R-phrases referred to under sections 2 and 3

TANALITH E 8000

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.

Full text of H-Statements referred to under sections 2 and 3.

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

The information provided in this 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.
