



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

**TANALITH E 8000**

Version 1.6 / EN

Revision Date 21.08.2013

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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 : Wood preservatives**1.3 Details of the supplier of the safety data sheet**Company : Arch Timber Protection  
Wheldon Road  
Castleford  
United Kingdom  
WF10 2JTTelephone : +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	Acute Tox. 4; H332 Acute Tox. 4; H312	>= 25 - < 50

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			Acute Tox. 4; H302 Skin Corr. 1B; H314	
Copper(II) carbonate-- copper(II) hydroxide (1:1)	12069-69-1 235-113-6	Xn; R22	Acute Tox. 4; H302 Aquatic Acute 1; H400	>= 10 - < 20
Tallow alkyl amines, ethoxylated	61791-26-2	Xn; R22 Xi; R38 Xi; R41 R50/53	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 2.5 - < 5
Organic acid		Xi; Xi; R36-R38	Skin Irrit. 2; H315 Eye Irrit. 2; H319	< 10
Fatty acids, C8-10	68937-75-7 273-086-2	C; R34	Skin Corr. 1; H314	< 5
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 Acute 1; H400	< 5
Propiconazole	60207-90-1 262-104-4	Xn; R22 R43 N; R50-R53	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; 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 Chronic 2; H411	< 2.5
Didecyldimethylammoni um chloride	7173-51-5 230-525-2	C; R34 Xn; R22	Acute Tox. 4; H302 Skin Corr. 1B; H314	< 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.

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## 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 (CO<sub>2</sub>)  
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

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## 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) : Wood preservatives

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-Aminoethanol	141-43-5	STEL	3 ppm 7.6 mg/m <sup>3</sup>	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-Aminoethanol	141-43-5	TWA	1 ppm 2.5 mg/m <sup>3</sup>	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-Aminoethanol	141-43-5	TWA	1 ppm 2.5 mg/m <sup>3</sup>	2006-02-09	2006/15/EC
Further information	: skin: Identifies the possibility of significant uptake through the skin Indicative				
2-Aminoethanol	141-43-5	STEL	3 ppm 7.6 mg/m <sup>3</sup>	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.

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

## TANALITH E 8000

Colour	: blue
Odour	: ammoniacal
Flash point	: Note: does not flash
pH	: 10.91 at 20 °C
Density	: 1.184 g/cm <sup>3</sup> at 20 °C
Water solubility	: Note: completely soluble
Viscosity, dynamic	: 40 mPas at 5 °C

### 9.2 Other information

Oxidising potential	: Note: Not relevant
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## 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.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute oral toxicity : Remarks: Harmful if swallowed.  
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## TANALITH E 8000

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

### 12.1 Toxicity

#### **Ecotoxicology Assessment**

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

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## 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.

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## 14. Transport information

Dangerous for Transport

# TANALITH E 8000

## 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.  
(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

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## 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

# TANALITH E 8000

Legislation	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

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## 16. Other information

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

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.

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.

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.