



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier**
Commercial Product Name
 UULA-HOMEENESTOAINE
 Substance name: Coconut trimethyl ammonium chloride (TMCC)
 CAS-No.: 61789-18-2
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Recommended use
 Wood preservative to be used as paint for outdoor use to inhibit formation of blue stain, mold and decay. Use for other purposes and contrary to the instructions is prohibited.
- 1.3 Details of the supplier of the safety data sheet**
Supplier
 Uulatuote Oy
Street address Yttiläntie 265
Postcode and post office 32920 Kauvatsa
 Finland
Telephone +358 10 820 0020
Telefax +358 2-529 5011
Business ID FI02264544
Email uula@uula.fi
- 1.4 Emergency telephone number**
 United Kingdom of Great Britain and Northern Ireland:
 National Poisons Information Service
 + 8 448 920 111, 24 hrs
 Ireland: Dublin
 +353 1 809 2166 (public). 24hrs
 Malta:
 +356 2545 0000/ +356 2545 6504

SECTION 2. HAZARDS IDENTIFICATION

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.

- 2.1 Classification of the substance or mixture**
1272/2008 (CLP)
 Skin Irrit. 2, H315
 Eye Irrit. 2, H319
- 2.2 Label elements**
1272/2008 (CLP)
 GHS07
 Signal word **Warning**
- Hazard Statements**
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
- Precautionary Statements**
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.





- 2.3 Other hazards**
No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures		Hazardous components		
CAS	EINECS	Chemical name of the substance	Concentration	Classification
61789-18-2	263-038-9	Coconut trimethyl ammonium chloride(TMCC)	~ 2 %	C; R34; Xn; R22; N; R50 AcuteTox. 4, H302; Skin corr. 1B, H314; Aquatic acute 1, H400
No hazardous substances:				
19766-89-3	243-283-8	2-ethylhexanoic acid sodium salt	~ 4 %	-

- 3.3 Other information**
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.

SECTION 4. FIRST AID MEASURES

- 4.1 Description of first aid measures**
- Inhalation**
If breathed in, move person into fresh air. Keep patient warm and at rest. Oxygen or artificial respiration if needed. Get medical attention immediately if symptoms occur.
- Skin contact**
Take off all contaminated clothing immediately. In case of contact, immediately flush skin with soap and plenty of water. If skin irritation persists, call a physician.
- Eye contact**
Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists.
- Ingestion**
Do NOT induce vomiting. Rinse mouth with water. Drink plenty of water. If large quantities of this material are swallowed, call a physician immediately.
- 4.2 Most important symptoms and effects, both acute and delayed**
Irritating to eyes and skin.
- 4.3 Indication of immediate medical attention and special treatment needed**
Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
Substance does not burn
- Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 5.2 Special hazards arising from the substance or mixture**
Burning produces noxious and toxic fumes.
- 5.3 Advice for firefighters**
Wear self-contained breathing apparatus and protective suit.



- 5.4 Specific methods**
Combustible material does not ignite

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Provide adequate ventilation. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment.
- 6.2 Environmental precautions**
The product should not be allowed to enter drains, water courses or the soil.
- 6.3 Methods and materials for containment and cleaning up**
Contain spillage, and then collect 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). Flush away traces with water.
- 6.4 Reference to other sections**
For personal protection see section 8.

SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Use personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not get in eyes, on skin, or on clothing.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost. Keep at temperatures above 0 °C.
- 7.3 Specific end use(s)**
No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
Contains no substances with occupational exposure limit values.
- Other information on limit values**
No information available.
- DNELs**
No information available.
- PNECs**
No information available.
- 8.2 Exposure controls**
- Appropriate engineering controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Avoid contact with skin, eyes and clothing.
- Individual protection measures**
- Respiratory protection**
Breathing apparatus needed only when aerosol or mist is formed. Recommended Filter type: A.
- Hand protection**
Protective gloves: Natural Rubber, Nitrile rubber, Neoprene PVC or Viton gloves with breakthrough times > 480 minutes according to EN 374 - and ASTM F39 standards. If the gloves are in constant contact with the chemical, gloves are recommended for use up to half of the throughput time. Gloves with any changes should immediately be rejected.
- Eye/face protection**
Safety glasses with side-shields, Face-shield.

**Skin protection**

Rubber boots and suit that protects against chemicals. Remove and wash contaminated clothing before re-use.

Environmental exposure controls

The product should not be allowed to enter drains, water courses or the soil.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Important Health Safety and Environmental Information	
	Appearance	Clear, pale yellow liquid
	Odour	mild
	Odour threshold	no data available
	pH	10-11
	Melting point/freezing point	no data available
	Initial boiling point and boiling range	100°C
	Flash point	Does not flash.
	Evaporation rate	no data available
	Flammability (solid, gas)	no data available
	Explosive properties	
	Lower explosion limit	no data available
	Upper explosion limit	no data available
	Vapour pressure	no data available
	Vapour density	no data available
	Relative density	~ 1000 kg/m ³ /20°C
	Solubility(ies)	
	Water solubility	soluble
	Fat solubility (solvent - oil to be specified)	Not known.
	Partition coefficient: n-octanol/water	Not known. TMCC log Pow = 1,256, 2-Eha log Pow: 2,827
	Auto-ignition temperature	no data available
	Decomposition temperature	no data available
	Viscosity	no data available
	Explosive properties	no data available
	Oxidising properties	Not oxidizing.
9.2	Other information	
	Melting point: < 0°C	

SECTION 10. STABILITY AND REACTIVITY

10.1	Reactivity	Stable at normal ambient temperature and pressure.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Burning produces noxious and toxic fumes.
10.4	Conditions to avoid	Protect from frost.
10.5	Incompatible materials	Aluminum, tin, zinc, copper.
10.6	Hazardous decomposition products	No information available.



SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Coconut trimethyl ammonium chloride sensitized individuals may develop allergic dermatitis on contact.

Acute toxicity

No information available.

Irritation and corrosion

Splashes may result in eye, skin and mucous membranes. Inhalation of mist causes irritation of respiratory tract irritation.

Sensitisation

May cause sensitisation by skin contact.

Subacute, subchronic and prolonged toxicity

No information available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

Other information on acute toxicity

Repeated or prolonged skin contact may cause skin irritation and / or dermatitis and sensitization of susceptible persons.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

About the product, there is no information. Below is the test results for B Sinesto which Uula-homeenestoaine contains 15%.

Acute toxicity to fish: LC50/96h/goldfish(Carassius auratus) = 6.8 mg/l

Acute toxicity to water flea: LC50/24h-48h / water flea (Daphnia) = 0.15 mg/l

Acute toxicity to algae: None known.

Toxicity to other organisms

No information available.

12.2 Persistence and degradability

Biodegradation

Readily biodegradable, compatible with the the OECD-test. TMCC: Biochemical Oxygen Demand (BOD) = 1.72 g O₂ / g. Chemical oxygen demand(COD) = 2,14 g O₂/g, BOD/COD = 0,80.

2-ethylhexanoic acid: BOD=2,33 g O₂/g, COD=2,39 g O₂/g ja BOD/COD = 0.970

Chemical degradation

Disperses in water.

12.3 Bioaccumulative potential

TMCC: log Pow = 1,256, 2-Eha log Pow; : 2,827

12.4 Mobility in soil

Spreads with water.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

Dispose of as hazardous waste in compliance with local and national regulations. Materials can be delivered to a plastics recycling facilities after cleaning.

SECTION 14. TRANSPORT INFORMATION

- 14.1 UN number** Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.
- 14.2 UN proper shipping name** -
- 14.3 Transport hazard class(es)** -
- 14.4 Packing group** -
- 14.5 Environmental hazards** -
- 14.6 Special precautions for users**
No information available.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
No information available.

SECTION 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No information available.
- 15.2 Chemical safety assessment**
No information available.

SECTION 16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
Version 1.0.
- 16.2 Key or legend to abbreviations and acronyms**
- **CLP** - Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging
 - **DNEL** - No observed adverse effect level
 - **PNEC** - Predicted No Effect Concentration
 - **PBT** - persistent, bioaccumulating and toxic.
 - **vPvB** - very persistent and very bioaccumulating.
- 16.3 Key literature references and sources for data**
REGULATION (EC) No 1272/2008, Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.2. Material Safety Data Sheet: UULA-HOMEENESTOAINE Print Date 9.10.2013. Information and analyzes from different raw material manufacturers.
- 16.4 Classification procedure**
REGULATION (EC) No 1272/2008 Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP).
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
- | | |
|------|--|
| R22 | Harmful if swallowed. |
| R34 | Causes burns. |
| R50 | Very toxic to aquatic organisms. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |



16.6

Additional information available from:

Provide adequate information, instruction and training for operators. Refer to attached safety data sheets and/or instructions for use.