SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

FINEAMIN® FINEALGA 25

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

1.1 Product identifier

Trade name: ***FINEAMIN FINEALGA 25***

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

No further relevant information available.

Use of the substance / preparation: additive for cooling systems and closed circuits

1.3 Details of the supplier of the safety data sheet:

Supplier:

FINEAMIN SA
av. des Grandes-Communes 8 CH-1213 Petit-Lancy,
Genève Tel. +41 22 552 2535
Fax +41 22 552 2536; Email: info@fineamin.ch

1.4 Emergency telephone number

France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)
EU Tel : 112

SECTION 2 - HAZARDS IDENTIFICATION

Digitally signed by Michiciuc Gheorghe
Date: 2023.03.23 14:15:02 EET
Reason: MoldSign Signature
Location: Moldova

2.1 Classification of the substance or mixture

Hazard description: **C Corrosive**

Classification according to Directive 67/548/EEC or Directive 1999/45/EC :

R34: Causes burns.
R37: Irritating to respiratory system

Information concerning particular hazards for human and environment:

The product has to be labelled in the latest valid version according to the calculation procedure of the "*General Classification guideline for preparations of the EU*".

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS05: Corrosion

GHS09: Environmental

Signal word: Danger

Hazard-determining components of labelling: benzyl-C12-16-alkyldimethyl, chlorides

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterisation: Mixtures

Description: Mixture consisting of the following components and non-hazardous substances in water

Dangerous componets:

CAS-NO.: 68424-85-1 — Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides — 25%

EEC-No.: 270-325-2

C

N

R22 R34 R50

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

After Inhalation: Move to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.

After skin contact: After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately. Take off all contaminated clothing immediately

After eye contact: Immediately flush eye(s) with plenty of water. Call a physician immediately

	After Ingestion :	Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
4.2	**Most important symptoms and effects, both acute and delayed:** **Notes to physician :**	High concentration of vapours may induce unconsciousness.
4.3	**Indication of any immediate medical attention and special treatment needed:**	No further relevant information available.

SECTION 5 - FIREFIGHTING MEASURES

5.1	**Suitable extinguishing agents:**	Dry powder, Water spray, Foam
5.2	**Specific hazards during fire fighting:**	Heating or fire can release toxic gas.
5.3	**Special protective equipment for fire-fighters:**	In the event of fire, wear self-contained breathing apparatus.
5.4	**Additional advice :**	Use water spray to cool unopened containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment, and emergency procedures:**	Use respirator when performing operations involving potential exposure to vapour of the product.
6.2	**Environmental precautions:**	Do not flush into surface water or sanitary sewer system.
6.3	**Methods and material 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).
6.4	**Reference to other sections:**	See *Section 7* for information on safe handling. See *Section 8* for information on personal protective equipment. See *Section 13* for disposal information.

SECTION 7- HANDLING AND STORAGE

7.1 Precautions for safe handling: Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.

Information about fire - and explosion protection: No further information available.

7.2 Requirements for storage areas and containers: Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure controls

Personal protective equipment:

Hygiene measures Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Respiratory protection: In the cases of vapour formation use a respirator with an approved filter.

Protection of hands: Wear suitable gloves
Gloves material: Nitrile rubber, NBR

Eye protection: Wear eye/face protection

Skin and body protection: Wear suitable protective clothing, gloves and eye/face protection

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General information

Appearance:	**State of aggregation:**	Liquid
	Form:	Viscous
	Colour:	Colourless-yellow
Odour:	Mild	
pH:	6-8 (100 g/l; 20 °C)	
Setting point:	ca. -20°C Method: ISO 3016	
Density:	0.94 g/cm3 (20 °C) Method: DIN 51757	
Solubility in / Miscibility with water:	Completely miscible.	

SECTION 10 – STABILITY AND REACTIVITY

10.1 Conditions to avoid: No data available.

10.2 Hazardous reactions: Stable under normal conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The following toxicological data refer to:

N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride (CAS-No.: 68424-85-1)

Acute toxicity (LD50)	Oral	LD50	ca. 344 mg/kg (rat)
Acute toxicity (LD50)	Dermal	LD50	ca. 3340 mg/kg (rabbit)

Primary irritant effect:

Skin irritation: Corrosive - Species: rabbit, exposure time: 24 h., Method: DOT

Eye irritation:	Corrosive - Species: rabbit, Method: DOT
Sensitisation:	not sensitizing - Species: guinea pig, Buehler Test, Method: OECD Test Guideline 406
Genotoxicity in vitro:	negative, Ames test, Salmonella typhimurium, Method: OECD 471 negative, Chromosome aberration test in vitro, Human lymphocytes Method: OECD 473

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects:

Toxicity to daphnia (EC50)	<1 mg/l Species: Daphnia magna (Water flea) Immobilization - Exposure time: 48 h. Method: US-EPA
Toxicity to bacteria (EC100)	ca. 16 mg/l Species: Pseudomonas putida Growth inhibition - Exposure time: 96 h.
The following ecotoxicological date refer to:	
N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride	(CAS-No.: 68424-85-1)
Toxicity to fish (LC50)	0.28 mg/l Species: Pimephales promelas (fathead minnow) Acute toxicity, Exposure time: 96 h. Method: US-EPA
Toxicity to fish (LC50)	0.93 mg/l Species: Oncorhynchus mykiss (rainbow trout) Acute toxicity, Exposure time: 96 h. Method: US-EPA
Toxicity to fish (NEOC)	0.032 mg/l Species: Pimephales promelas (fathead minnow) Early-life, Exposure time: 34 d. Method: EPA-FIFRA
Toxicity to fish (LC50)	0.515 mg/l

	Species: Bluegill sunfish Acute toxicity, Exposure time: 96 h. Method: US-EPA
Toxicity to daphnia (EC50)	0.0058 mg/l Species: Daphnia magna (Water flea) Immobilization, Exposure time: 48 h. Method: EPA-FIFRA
Toxicity to daphnia (NOEL)	0.0042 mg/l Species: Daphnia magna (Water flea) Reproduction Test, Exposure time: 21 d. Method: EPA-FIFRA
Toxicity to algae (ErC50)	0.049 mg/l Species: Selenastrum capricormutum (green algae) Cell multiplication inhibition test, Exposure time: 72 h. Method: OECD Test Guideline 201
Toxicity to bacteria (EC50)	7.75 mg/l Species: activated sludge Respiration inhibition, Exposure time: 3 h. Method: OECD 209
Toxicity to bacteria (EC100)	ca. 16 mg/l Species: Pseudomonas putida Growth inhibition, Exposure time: 96 h
Toxicity to soil dwelling organisms (LC50)	7070 mg/kg Species: earthworms Acute toxicity, Exposure time: 14 d. Method: OECD 207

12.2 Mobility:

Behaviour in environmental compartments:	Adsorption/Soil immobile, Method: EPA-FIFRA

12.3 Persistence and degradability: No further relevant information available.

Stability in water :	hydrolytically stable, Method: EPA-FIFRA
Biodegradability:	OECD Confirmatory Test: >90%, Method: OECD 303 A Modified SCAS Test: : >90%, Method: OECD 302 A

CO2 Evolution: 95,5%, Readily biodegradable.
Testing period: 28 d, Method: OECD 301 B
The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio accumulative potential:

Bioaccumulation	Does not bioaccumulate. Bioconcentration factor (BCF): 79. Species: Bluegill sunfish, Exposure time: 35 d, Method: US-EPA

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues	The organic ingredients can be incinerated in a suitable installation when in accordance with local regulations
Contaminated packaging	Where possible recycling is preferred to disposal or incineration

SECTION 14 – TRANSPORT INFORMATION

14.1 UN-Number

ADR / RID, IMDG, ICAO-TI and IATA-DGR	3265

14.2 UN proper shipping name

ADR / RID	3265 CORROSIVE LIQUID, ACID, ORGANIC, N.O.S. (Alkyldimethylbenzylammoniumchloride
IMDG, ICAO-TI and IATA-DGR:	3265 CORROSIVE LIQUID, ACID, ORGANIC, N.O.S. (Alkyldimethylbenzylammoniumchloride)

14.3 Transport hazard class(es)

ADR / RID

Class 8 *Corrosive substances.*

Label 8

IMDG, ICAO-TI and IATA-DGR:

Class 8 *Corrosive substances.*

Label 8

14.4 Packing group

ADR / RID, IMDG, ICAO-TI and IATA-DGR III

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user *Warning: Corrosive substances.*

Danger code (Kemler): 80

EMS Number: F-A,S-B

SECTION 15 – REGULATORY INFORMATION

15.1 Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

15.2 Code letter and hazard designation of product:

C Corrosive

Risk phrases:

34 Causes burns

37	Irritating to respiratory system
Safety phrases:	
23	Do not breathe gas / fumes / vapour / spray
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39	Wear suitable protective clothing, gloves and eye / face protection.
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

SECTION 16 – OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.