

Safety Data Sheet

FAXE Patina Lye 0593

Replaces date: 06/07/2015

Revision date: 29/11/2022

Version: 2.0.0

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

1.1. Product identifier

Trade name: FAXE Patina Lye 0593

Article no

Article no	Description
0593	

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

Recommended uses: Lye treatment of wood.

Inadvisable uses: The product is recommended for only the above described uses.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: EFAPaint A/S
 Address: Energivej 13
 Zip code: DK-6700
 City: Esbjerg
 Country: DENMARK
 E-mail: info@efapaint.dk
 Phone: 0045 75 12 86 00
 Fax: 0045 75 45 33 68
 Homepage: www.efapaint.dk

1.4. Emergency Telephone Number

(0044) 111 (NHS 111)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

2.2. Label elements

Precautionary statements

P102 Keep out of reach of children.

2.3. Other hazards

The product does not contain any endocrine disruptors, PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
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2-(2-ethoxyethoxy)ethanol	111-90-0 203-919-7 02-2119666138-32	2.5 - 10 %		LD50 (Acute toxicity - oral): 6031 mg/kg bw LD50 (Acute toxicity - dermal): 9143 mg/kg bw LC50 (dust/mist) (Acute toxicity - inhalation): > 5.24 mg/l
iron (II) sulfate	7720-78-7 231-753-5 01-2119513203-57	< 2.5 %		Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Irrit. 2;H319
Citric acid	77-92-9 201-069-1 01-2119457026-42	< 2.5 %		Eye Irrit. 2;H319

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	In the event of feeling nausea, headache or dizziness, move into fresh air immediately. Seek medical advice in case of persistent discomfort.
Ingestion:	Give large quantities of milk or water to drink. DO NOT INDUCE VOMITING! If vomiting occurs, hold head low to prevent aspiration of liquid into lungs. Seek medical advice in case of discomfort.
Skin contact:	Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Skin cleaner may be used. Do not use solvents. Clothing/footwear must be cleaned before use again. Get medical attention if any discomfort continues.
Eye contact:	Flush immediately with lukewarm water (preferably using eye wash equipment) for at least 15 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Burns:	Product is non-flammable.
General:	If in doubt, seek medical advice. Also see para. 1 In case of accident: Seek medical advice. Show the label or this safety datasheet, if possible.

4.2. Most important symptoms and effects, both acute and delayed

Irritating to eyes and skin.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Non-flammable material.
Unsuitable extinguishing media:	Non-flammable material.
Extinguishing methods:	Non-flammable material.

5.2. Special hazards arising from the substance or mixture

Slippery ground.

5.3. Advice for firefighters

Cool closed containers with water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Use disposable overalls which are thrown away after use. Not relevant.

For emergency responders: If there is a risk of contact with the product wear rubbergloves and a protective suit.

6.2. Environmental precautions

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Prevent major quantities of spillage from being discharged into the sewage system or water by banking the spillage with sand or the like and collecting it. Recover with absorbent material. Clean preferably with cleansing agents. Avoid using solvents.

6.4. Reference to other sections

Also see item 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

The product must be kept away from children. Store in a tightly closed container and in accordance with the current regulations in a dry and well-ventilated place away from food. Keep the material away from oxidizing agents and strong acidic and alkaline substances.

7.3. Specific end use(s)

Applications is mentioned in item 1.2.

Other Information: Personal protective equipment: Refer to section 8.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements.

PNEC

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Exposure	Value	Assessment Factor	Extrapolation Method	Note
Soil	0,34 mg/kg dw			
Marine water	0,198 mg/l			
Freshwater	1,98 mg/l			
Marine water - sediment	7,32 mg/kg dw			
Freshwater - sediment	0,732 mg/kg dw			

iron (II) sulfate, cas-no 7720-78-7

Exposure	Value	Assessment Factor	Extrapolation Method	Note
Soil	49500 mg/kg			

Citric acid, cas-no 77-92-9

Exposure	Value	Assessment Factor	Extrapolation Method	Note
Freshwater	0,44 mg/l			
Marine water	0,044 mg/l			

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Freshwater - sediment	3,46 mg/kg dw			
Marine water - sediment	34,6 mg/kg dw			
Soil	33,1 ng/kg dw			

DNEL - workers

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal	83 mg/kg bw/day	Long-term exposure		Systemic effects	
Inhalation	61 mg/m ³	Long-term exposure		Systemic effects	
Inhalation	30 ml/m ³	Long-term exposure		Local effects	

iron (II) sulfate, cas-no 7720-78-7

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal	0,57 mg/kg	Acute / short-term exposure		Systemic effects	
Inhalation	2 mg/m ³	Acute / short-term exposure		Systemic effects	
Dermal	0,57 mg/kg	Long-term exposure		Systemic effects	
Inhalation	2 mg/m ³	Long-term exposure		Systemic effects	

DNEL - general population

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral	50 mg/kg bw/day	Long-term exposure		Systemic effects	
Dermal	25 mg/kg bw/day	Long-term exposure		Systemic effects	
Inhalation	37 ml/m ³	Long-term exposure		Systemic effects	
Inhalation	18 mg/m ³	Long-term exposure		Local effects	

iron (II) sulfate, cas-no 7720-78-7

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal	0,29 mg/kg	Acute / short-term exposure		Systemic effects	
Inhalation	0,5 mg/m ³	Acute / short-term exposure		Systemic effects	
Oral	0,29 mg/kg	Acute / short-term exposure		Systemic effects	
Dermal	0,29 mg/kg	Long-term exposure		Systemic effects	
Inhalation	0,5 mg/m ³	Long-term exposure		Systemic effects	
Oral	0,29 mg/kg	Long-term exposure		Systemic effects	

Other Information: No information available.

8.2. Exposure controls

Appropriate engineering controls: All work must be planned with a view to limit the breathing of fumes and the exposure to the skin.

Personal protective equipment, eye/face protection: Protective goggles are recommended.

Personal protective equipment, skin protection: If possible, wear special work clothes. When spraying wear coveralls.

Personal protective equipment, hand protection: Use disposable nitrile protection gloves.

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Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: It must be ensured that local regulations for discharge are met.

Other Information: Washing and flushing facilities must be available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid.
Colour	Green
Odour	Soap.
Solubility	Miscible with water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)		Irrelevant
Flammability limits		Irrelevant
Explosion limits		Irrelevant
Flash Point	> 62 °C	
Auto-ignition temperature	No data	
Decomposition temperature:	No data	
pH (solution for use)	No data	
pH (concentrate)	3 - 4	
Kinematic viscosity	No data	
Viscosity	20 Sec. 4 mm cup	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	1.02 g/ml	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
VOC (g/liter)	51	
Weight % organic solvents	5,0	

Other Information: Solubility in water: Soluble in water. Fat solubility: Irrelevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information is available.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

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10.3. Possibility of hazardous reactions

No dangerous reaction known by normal use and normal conditions.

10.4. Conditions to avoid

Strong sunlight.

10.5. Incompatible materials

To prevent exothermic reactions, keep product away from oxidizing agents, UV sources, free radical initiators, strong basic materials and reactive metals.

10.6. Hazardous decomposition products

No information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		6031 mg/kg bw			

iron (II) sulfate, cas-no 7720-78-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		400 mg/kg			

Citric acid, cas-no 77-92-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse	LD50		5400 mg/kg dw			

Harmful if swallowed.

Acute toxicity - dermal

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		9143 mg/kg bw			

iron (II) sulfate, cas-no 7720-78-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		> 2000 mg/kg			

Citric acid, cas-no 77-92-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		> 2000 mg/kg dw			

Dries out the skin with consequent irritation.

Acute toxicity - inhalation

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 5.24 mg/l			

Not relevant.

Skin corrosion/irritation: Prolonged or repeated skin contact will degrease skin and may cause irritation.

Serious eye damage/eye irritation: Splashing into eyes may cause smarting/irritation.

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Respiratory sensitisation or skin sensitisation:	No known hazards.
Germ cell mutagenicity:	Would not be expected germ cell mutagen
Carcinogenic properties:	Not expected to cause cancer.
Reproductive toxicity:	Would not be expected to be a reproductive toxicant.
Single STOT exposure:	No known hazards.
Repeated STOT exposure:	No known hazards.
Aspiration hazard:	No known hazards.

11.2. Information on other hazards

Endocrine disrupting properties:	No known information.
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SECTION 12: Ecological information

12.1. Toxicity

2-(2-ethoxyethoxy)ethanol, cas-no 111-90-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Acute algae	Desmodesmus subspicatus	96 h	EC50	> 100 mg/l			
Acute daphnia		48 h	LC50	1982 mg/l			
Acute fish	Ictalurus punctatus	96 h	LC50	6010 mg/l			

iron (II) sulfate, cas-no 7720-78-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Acute fish	Oryzias latipes	96 h	LC50	> 67 mg/l			
Acute daphnia	Daphnia magna	48 h	EC50	> 1 mg/l			
Acute algae	Pseudokirchneriella subcapitata	72 h	EC50	18 mg/l			

Citric acid, cas-no 77-92-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Acute daphnia	Daphnia magna	24 h	LC50	1535 mg/l			

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

The product is miscible with water and will spread in water systems.

12.5. Results of PBT and vPvB assessment

This product is not a substance which is a PBT or vPBT.

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12.6. Endocrine disrupting properties

No known information.

12.7. Other adverse effects

No information available

Other Information

Do not dispose of this product in drains, watercourses, or on the ground.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water.

Waste must be disposed of in accordance with local environmental control regulations. Provide good chemical hygiene.

Category of waste: Residues of the product are not considered as chemical waste.

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.

14.4. Packing group: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.5. Environmental hazards: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

Irrelevant.

14.7. Maritime transport in bulk according to IMO instruments

Irrelevant.

SECTION 15: Regulatory information

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

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	29/11/2022	GK	2, 3, 9, 11, 12, 13
1.0.0	06/07/2015	GK	

Abbreviations: DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration.

References to literature and data sources: REACH: REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals. CLP: REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures.

Other Information: The information in this Material Safety Data Sheet is based upon our knowledge and on European Union legislation. The user's working conditions are outside our control. It is the

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responsibility of the users to fulfil the requirements set by National Legislation. The information is no guarantee of the properties of the product. The Material Safety Data Sheet may only be reproduced with the permission of the manufacturer.

Training advice:

The instructions in this Material Safety Data Sheet are given on the assumption that the product is used as stated in item 1. Restrictions of use and special training requirements must also be complied with. The information in this Material Safety Data Sheet should be regarded as a description of the safety issues concerning the product.

Hazard statements

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Country: EU