

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 1 of 9

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Eloxalreiniger FA

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**Aluminium working industry, anodizing industry
for professional use only**1.3. Details of the supplier of the safety data sheet**

Company name:	Metall- und Oberflächenchemie Sperzel GmbH		
Street:	Freisenbergstr. 18		
Place:	D-58513 Lüdenscheid		
Telephone:	+49 (0)2351/9599-0	Telefax:	+49 (0)2351/9599-99
E-mail:	info@metachem.de		
Contact person:	Occupational Health and Safety	Telephone:	+49 (0)2351/9599-0
E-mail:	sperzel@metachem.de		
Internet:	www.metachem.de		
Responsible Department:	Arbeitssicherheit / Department of Occupational Health and Safety		

1.4. Emergency telephone

112

number:

additional information in german and english: +49 (0)2351/9599-0 during the day

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**Asp. Tox. 1; H304
STOT RE 1; H372
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Signal word: Danger**Pictograms:****Hazard statements**

H304	May be fatal if swallowed and enters airways.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing and eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 2 of 9

P337+P313
P302+P352
P405present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water and soap.
Store locked up.**Special labelling of certain mixtures**

EUH066

Repeated exposure may cause skin dryness or cracking.

Labelling of packages where the contents do not exceed 125 ml**Signal word:**

Danger

Pictograms:**Hazard statements**

H304-H372-H412

Precautionary statements

P260-P301+P310-P331-P405

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Aqueous solution

Relevant ingredients

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
8042-47-5	Paraffinum perliquidum			15 - <20 %
	232-455-8		01-2119487078-27	
	Acute Tox. 4; H312			
	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			15 - <20 %
	919-446-0			
	Flam. Liq. 3, Acute Tox. 4, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H312 H336 H372 H304 H411			
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione			0,002 - <0,020 %
	223-296-5	613-344-00-7		
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 2; H331 H311 H302 H315 H319 H317 H372 H400 H411 EUH070			

Full text of H and EUH statements: see section 16.

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 3 of 9

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
8042-47-5	232-455-8	Paraffinum perliquidum	15 - <20 %
		dermal: ATE = 1100 mg/kg	
	919-446-0	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	15 - <20 %
		dermal: ATE = 1100 mg/kg	
3811-73-2	223-296-5	pyridine-2-thiol 1-oxide, sodium salt; pyriithione sodium; sodium pyriithione	0,002 - <0,020 %
		inhalation: ATE 0,5 mg/l (dusts or mists); dermal: ATE 790 mg/kg; oral: ATE 500 mg/kg Aquatic Acute 1; H400: M=100	

Further Information

Benzene <0,1%

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

Caution if victim vomits: Risk of aspiration!

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

No information available

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

No information available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Suitable extinguishing media: Water. Extinguishing powder. Foam.

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Nitrogen oxides (NO_x). Carbon dioxide (CO₂). Carbon monoxide hydrocarbons. Pyrolysis products, toxic.**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Additional information

In case of fire and/or explosion do not breathe fumes.

Contaminated fire-fighting water must be collected separately.



Safety Data Sheet

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 4 of 9

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear personal protection equipment. Keep away from unprotected people. Keep upwind.

Remove all sources of ignition. Ventilate affected area.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

Information on waste treatment see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Advice on general occupational hygiene

Do not eat, drink, smoke or sneeze at the workplace.

Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

Further information on handling

Wear personal protection equipment.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Keep away from sources of ignition - No smoking.

Hints on joint storage

Materials to avoid: Oxidizing agents.

Further information on storage conditions

Store in a place accessible by authorized persons only.

7.3. Specific end use(s)

see section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

Components with workplace or biological limit values to be monitored: see section 8.1

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 5 of 9

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly sealed safety glasses.

Hand protection

Before starting work, apply solvent-resistant skincare preparations.

Tested protective gloves are to be worn: liquid-tight.; lösemitteldicht : NBR (Nitrile rubber). FKM (fluororubber).

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

work protective clothing

Respiratory protection

Respiratory protection necessary at: Breathing apparatus necessary in case of formation of fumes and/or aerosols

Filter Typ A (DIN EN 141)

Environmental exposure controls

The product must not be given in the sewer and water without pre-treatment

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	white
Odour:	characteristic
Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	100 °C
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	6,5 vol. %
Flash point:	>65 °C
Auto-ignition temperature:	265 °C
pH-Value:	8,5
Water solubility:	partially miscible
Vapour pressure: (at 20 °C)	23 hPa
Vapour pressure:	not determined
Density (at 20 °C):	ca. 0,9 g/cm ³
Bulk density:	not applicable

9.2. Other information**Information with regard to physical hazard classes**Explosive properties
none**Other safety characteristics**

Viscosity / dynamic: not determined

Further Information

none

SECTION 10: Stability and reactivity

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 6 of 9

10.1. Reactivity

Dangerous reactions are not expected handling the product according to its intended use

10.2. Chemical stability

This product is chemically stable under ambient conditions/ temperature

10.3. Possibility of hazardous reactions

Dangerous reactions are not expected handling the product according to its intended use

10.4. Conditions to avoid

In application range no particular requirements

10.5. Incompatible materials

In application range no particular requirements

10.6. Hazardous decomposition products

none known

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

ATEmix tested

	Dose	Species	Source
LD50, oral	>5000 mg/kg	rat	

ATEmix calculated

ATE (dermal) 3056 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
8042-47-5	Paraffinum perliquidum				
	dermal	ATE 1100 mg/kg			
	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	dermal	ATE 1100 mg/kg			
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt; pyriothione sodium; sodium pyriothione				
	oral	ATE 500 mg/kg			
	dermal	ATE 790 mg/kg			
	inhalation dust/mist	ATE 0,5 mg/l			

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

After skin contact: mild irritant.

Irritant effect on the eye: slightly irritant but not relevant for classification.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 7 of 9

STOT-single exposure

Based on available data, the classification criteria are not met.
May cause drowsiness or dizziness.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
See chapter: 2.1

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No information available

Practical experience

none

11.2. Information on other hazards**Endocrine disrupting properties**

Based on available data, the classification criteria are not met.

Further information

Precautions usual with chemicals should however be respected

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.
Quantitative data on the ecological effect of the product (mixture) are not available.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
PBT/vPvB assessment not available as chemical safety assessments for ingredients not required/ not conducted

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available

Further information

The product must not be given in the sewer and water without pre-treatment

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Collect the waste separately.
Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.



Safety Data Sheet

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 8 of 9

Contaminated packaging

Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Information according to Directive

Not subject to 2012/18/EU (SEVESO III)

2012/18/EU (SEVESO III):

Additional information

none

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

1 - slightly hazardous to water

Additional information

none

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Flam. Liq: Flammable liquids

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Irrit: Skin irritation

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

**Safety Data Sheet**

according to UK REACH Regulation

Eloxalreiniger FA

Revision date: 31.05.2024

Page 9 of 9

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method
STOT RE 1; H372	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH070	Toxic by eye contact.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)