

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 15 Feb 2022

Print date: 18 Feb 2022

Version: 1



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

1.1. Product identifier

Trade name/designation:

Industriereiniger SA

Article No.:

133

UFI:

EE4G-D36M-HSHQ-79AF

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

Use of the substance/mixture:

Cleaning agent

Nur für den industriellen und gewerblichen Gebrauch.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

1.4. Emergency telephone number

Giftinformationszentrum-Nord, Göttingen , 24h: +49 (0) 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	
Skin corrosion/irritation (<i>Skin Corr. 1</i>)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05
Corrosion

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Signal word: Danger

Hazard statements for physical hazards

H290 May be corrosive to metals.

Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

Supplemental hazard information: —

Precautionary statements Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Precautionary statements Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/...

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1310-58-3 EC No.: 215-181-3	potassium hydroxide Acute Tox. 4 (H302), Eye Dam. 1 (H318), Eye Irrit. 2 (H319), Met. Corr. 1 (H290), Skin Corr. 1A (H314), Skin Corr. 1B (H314), Skin Irrit. 2 (H315) Danger Specific concentration limit (SCL) Skin Corr. 1A; H314: C ≥ 5% Skin Corr. 1B; H314: 2% ≤ C < 5% Skin Irrit. 2; H315: 0.5% ≤ C < 2% Eye Dam. 1; H318: C ≥ 2% Eye Irrit. 2; H319: 0.5% ≤ C < 2%	5 - < 20 weight-%
CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2 (H319) Warning	1 - ≤ 10 weight-%
CAS No.: 15763-76-5 EC No.: 239-854-6 REACH No.: 01-2119489411-37-0000	sodium p-cumenesulphonate Eye Irrit. 2 (H319) Warning	1 - ≤ 10 weight-%
CAS No.: 68154-97-2 EC No.: 614-340-8	Alkohole, C10-12, ethoxyliert, propoxyliert (>= 2.5EO) Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger	1 - ≤ 10 weight-%
CAS No.: 7320-34-5 EC No.: 230-785-7	tetrapotassium pyrophosphate Eye Irrit. 2 (H319) Warning	0 - ≤ 10 weight-%
CAS No.: 10213-79-3 EC No.: 229-912-9	Natriummetasilikat-Pentahydrat Eye Dam. 1 (H318), Met. Corr. 1 (H290), STOT SE 3 (H335), Skin Corr. 1B (H314) Danger	1 - ≤ 5 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1312-76-1 EC No.: 215-199-1 REACH No.: 01-2119456888-17	Kieselsäure Eye Irrit. 2 (H319), Skin Irrit. 2 (H315) Warning Specific concentration limit (SCL) Skin Irrit. 2; H315: C ≥ 40% Eye Irrit. 2; H319: C ≥ 40%	0 - < 5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/eye irritation, Atemnot, Schmerzen, Kollaps, Erblindungsgefahr

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:

Auf Umgebung abstimmen

Unsuitable extinguishing media:

keine

5.2. Special hazards arising from the substance or mixture

Nicht brennbar.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Special danger of slipping by leaking/spilling product.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

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

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid contact with skin, eyes and clothes. Open windows to ensure natural ventilation. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

No special fire protection measures are necessary.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Storage class (TRGS 510, Germany): 8B - Non-combustible corrosive substances

7.3. Specific end use(s)

Industrial sector specific solutions:

Stripper, corrosive, solvent-based

GISCODE:

GG80

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67 mg/m ³) ② 15 ppm (100.5 mg/m ³) ⑤ (Aerosol und Dampf)
IOELV (EU)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m ³) ② 15 ppm (101.2 mg/m ³)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Other protection measures:

Protective clothing.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: colourless

Odour: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	≥ 12		
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	not determined		
Decomposition temperature	not determined		
Flash point	not determined		
Evaporation rate	not determined		
Auto-ignition temperature	not determined		

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Parameter	Value	at °C	① Method ② Remark
Upper/lower flammability or explosive limits	<i>not determined</i>		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	1.2	20 °C	
Relative density	<i>not determined</i>		
Bulk density	<i>not determined</i>		
Water solubility	miscible		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Violent reaction with: Acid, concentrated White/yellow phosphor Light metal

10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

10.5. Incompatible materials

Acid, Glass, Aluminium, Light metal, Oxidising agent, strong

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

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

Substance name	Toxicological information
potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3	LD₅₀ oral: 333 mg/kg (Ratte)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	LD₅₀ oral: 2,410 mg/kg (Mouse) LD₅₀ dermal: 2,764 mg/kg (Rabbit)
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	LD₅₀ oral: >2,000 mg/kg (Ratte) LD₅₀ dermal: >2,000 mg/kg (Kaninchen) LC₅₀ Acute inhalation toxicity (vapour): >5 mg/l 4 h (Ratte)
Alkohole, C10-12, ethoxyliert, propoxyliert (>= 2.5EO) CAS No.: 68154-97-2 EC No.: 614-340-8	LD₅₀ oral: >2,000 mg/kg (Ratte) OECD 401
Natriummetasilikat-Pentahydrat CAS No.: 10213-79-3 EC No.: 229-912-9	LD₅₀ dermal: >5,000 mg/kg (Ratte)

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Substance name	Toxicological information
tetrapotassium pyrophosphate CAS No.: 7320-34-5 EC No.: 230-785-7	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rabbit)
pentapotassium triphosphate CAS No.: 13845-36-8 EC No.: 237-574-9	LD₅₀ oral: >2,000 mg/kg (Ratte)
Kieselsäure CAS No.: 1312-76-1 EC No.: 215-199-1	LD₅₀ oral: >2,000 mg/kg (Ratte)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

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

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.

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	LC₅₀: 1,300 mg/l 4 d (Sonnenbarsch) OECD 203 EC₅₀: >100 mg/l 2 d (Daphnia magna) ErC₅₀: 1,101 mg/l 3 d (Algae/water plant)
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	LC₅₀: >100 mg/l 4 d (fish, Oncorhynchus mykiss) EC₅₀: >100 mg/l 2 d (crustaceans, Daphnia magna) EC₅₀: >100 mg/l 4 d (Algae/water plant, Pseudokirchneriella subcapitata)
Alkohole, C10-12, ethoxyliert, propoxyliert (>= 2.5EO) CAS No.: 68154-97-2 EC No.: 614-340-8	EC₅₀: 1 - 10 mg/l 2 d (crustaceans, Daphnia magna) EC₅₀: 1 - 10 mg/l 3 d (Algae/water plant, Desmodesmus subspicatus)

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Substance name	Toxicological information
Natriummetasilikat-Pentahydrat CAS No.: 10213-79-3 EC No.: 229-912-9	LC ₅₀ : 210 mg/l 4 d (fish) EC ₅₀ : 1,700 mg/l 2 d (Daphnia magna) EC ₅₀ : 207 mg/l 3 d (Algae/water plant, Desmodemus subspicatus) EC ₅₀ : 209 mg/l (Algae/water plant, Mikroorganismen)
tetrapotassium pyrophosphate CAS No.: 7320-34-5 EC No.: 230-785-7	LC ₅₀ : 203 mg/l 4 d (Regenbogenforelle) EC ₅₀ : 797.13 mg/l 2 d (Daphnia magna) ErC ₅₀ : 201 mg/l 3 d (Algae/water plant, Desmodemus subspicatus) NOEC: 201 mg/l 3 d (Algae/water plant, Desmodemus subspicatus)
Kieselsäure CAS No.: 1312-76-1 EC No.: 215-199-1	LC ₅₀ : >146 mg/l (Zebraabärbling)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Substance name	Log K _{ow}	Bioconcentration factor (BCF)
potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3	≤ 0.83	
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	= 1	
tetrapotassium pyrophosphate CAS No.: 7320-34-5 EC No.: 230-785-7	-2	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3	—
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	—
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	—
Alkohole, C10-12, ethoxyliert, propoxyliert (≥ 2.5EO) CAS No.: 68154-97-2 EC No.: 614-340-8	—
Natriummetasilikat-Pentahydrat CAS No.: 10213-79-3 EC No.: 229-912-9	—
tetrapotassium pyrophosphate CAS No.: 7320-34-5 EC No.: 230-785-7	—
Kieselsäure CAS No.: 1312-76-1 EC No.: 215-199-1	—

12.6. Endocrine disrupting properties

No data available

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12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

07 06 01 *	aqueous washing liquids and mother liquors
20 01 29 *	Detergents containing hazardous substances





*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
UN 1719	UN 1719	UN 1719	UN 1719
14.2. UN proper shipping name			
CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid, Dinatriumtrioxosilicat)	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid, Dinatriumtrioxosilicat)	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid, Dinatriumtrioxosilicat)	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid, Dinatriumtrioxosilicat)
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 80 Classification code: C5 Tunnel restriction code: (E)	Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Classification code: C5	Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 EmS-No.: F-A, S-B	Special provisions: A3 Limited quantity (LQ): Y840 Excepted Quantities (EQ): E2

14.7. Maritime transport in bulk according to IMO instruments

No data available

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SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

EU legislation

Labelling for contents according to regulation (EC) No. 648/2004

non-ionic surfactants : <5%

phosphates : < 5

National regulations

Hazardous Substances Ordinance (GefStoffV)

Minimum protective measures according to TRGS 500

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Regeln (DGUV-Regeln)

15.1.2. National regulations

[DE] National regulations

Water hazard class

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	
Skin corrosion/irritation (<i>Skin Corr. 1</i>)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

16.6. Training advice

No data available

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16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.