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

1.1. Product identifier

Trade name/designation:

Stripper ultra

UFI:

8MT8-FYKA-EQ3N-HV5Q

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

Grundreiniger

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

No data available

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 (Met. Corr. 1)	H290: May be corrosive to metals.	
Skin corrosion/irritation (Skin Corr. 1)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

2.2. Label elements

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



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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	
EUH208 Contains d-Limonen. May produce an allergic reaction.	

Precautionary statements Prevention		
P260 Do not breathe vapours and spray.		
P280	Wear protective gloves/protective clothing and eye protection/face protection.	

Precautionary stat	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/		

Additional information:

Contains: Potassium hydroxide, Solution; Isotridecanol, ethoxylated

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 REACH No.: 01-2119487136-33	potassium hydroxide Acute Tox. 4 (H302), Eye Dam. 1 (H318), Met. Corr. 1 (H290), Skin Corr. 1A (H314), Skin Corr. 1B (H314) ②①! Danger Specific concentration limit (SCL) Skin Corr. 1A; H314: $C \ge 5\%$ Skin Corr. 1B; H314: $2\% \le C < 5\%$ Skin Irrit. 2; H315: $0.5\% \le C < 2\%$ Eye Dam. 1; H318: $C \ge 2\%$ Eye Irrit. 2; H319: $0.5\% \le C < 2\%$ Acute Toxicity Estimate ATE (oral) 333 mg/kg	1 - < 10 weight-%
CAS No.: 15763-76-5 EC No.: 239-854-6 REACH No.: 01-2119489411-37	sodium p-cumenesulphonate Eye Irrit. 2 (H319)	1 - < 10 weight-%
CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8 REACH No.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2 (H319) ① Warning Acute Toxicity Estimate ATE (oral) 2,410 mg/kg ATE (dermal) 2,764 mg/kg	1 - ≤ 10 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 69011-36-5	Isotridecanol,ethoxylated Acute Tox. 4 (H302), Eye Dam. 1 (H318) Danger Acute Toxicity Estimate ATE (oral) 300 - 2,000 mg/kg ATE (dermal) > 2,000 mg/kg	0 - < 5 weight-%
CAS No.: 5989-27-5 EC No.: 227-813-5 REACH No.: 01-2119529223-47-XXXX	d-Limonen Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Danger	0.1 - < 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:

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

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. Get medical advice/attention if you feel unwell. Get immediate medical advice/attention. Let 1 glass of water be drunken in little sips (dilution effect). Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting.

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:

Adjust to the environment

Unsuitable extinguishing media:

There are no restrictions on extinguishing agents for this mixture

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire hazardous combustion gases or vapors possible

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.

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5.4. Additional information

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

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). Do not inhale vapors / aerosols.

Fire prevent measures:

No special fire protection measures are necessary.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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)

GISCODE:

GG90

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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	 Long-term occupational exposure limit value Short-term occupational exposure limit value Instantaneous value Monitoring and observation processes Remark
CH from 1 Jan 2024	potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3	② 2 mg/m³ ⑤ (einatembare Fraktion) Messmeth: NIOSH
IOELV (EU)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m³) ② 15 ppm (101.2 mg/m³)
CH from 1 Jan 2024	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	 10 ppm (67 mg/m³) 15 ppm (101 mg/m³) (Dampf und Aerosol) SSC
CH from 1 Jan 2024	d-Limonen CAS No.: 5989-27-5 EC No.: 227-813-5	① 7 ppm (40 mg/m³) ② 14 ppm (80 mg/m³) ⑤ S SSC

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	① DNEL type ② Exposure route
potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3	① DNEL worker ② Long-term – inhalation, local effects

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: NBR (Nitrile rubber)
Thickness of the glove material: 0.1 mm

Breakthrough time: > 480 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.

Respiratory protection:

Respiratory protection necessary at: aerosol or mist formation

Filter type: A2 P2 (EN 14387)

Other protection measures:

Protective clothing.

8.2.3. Environmental exposure controls

No data available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid Colour: colourless
Odour: scented flammability: No

Safety relevant basis data

Parameter	Value	at °C	① Method
			② Remark
рН	14		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	No data available		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	1.1 g/cm³	23 °C	
Bulk density	not applicable		
Water solubility	miscible		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be corrosive to metals.

Explosive mixtures with air are possible on intense heating.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Risk of ignition or formation of inflammable gases or vapors with: metals, light metals, metal alloys. It can develop: hydrogen. Violent reactions possible with: alkalis, metal oxides.

Oxidizing agentExothermic reaction with: Acid, concentrated

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

potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3

LD₅₀ oral: 333 mg/kg (Ratte)

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

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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)

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)

Isotridecanol, ethoxylated CAS No.: 69011-36-5

LD₅₀ oral: 300 – 2,000 mg/kg (Ratte) **LD₅₀ dermal:** >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 eve damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

Contains d-Limonen. May produce an allergic reaction.

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

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)

LC₅₀: >1,000 mg/L 4 d

EC₅₀: >1,000 mg/L 2 d (Daphnia)

NOEC: 31 mg/L 4 d (Algae/water plant)

ErC₅₀: 230 mg/L 4 d (Algae/water plant)

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

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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)

Isotridecanol, ethoxylated CAS No.: 69011-36-5

LC₅₀: >1 - 10 mg/L 4 d (fish, Leuciscus idus)

EC₅₀: >1 - 10 mg/L 2 d (crustaceans)

EC₅₀: >1 - 10 mg/L 3 d (Algae/water plant)

NOEC: >1 mg/L 21 d (crustaceans)

LC₅₀: >1 - 10 mg/L (fish, Daphnia magna)

 LC_{50} : >1 - 10 mg/L (fish)

EC₅₀: >1 - 10 mg/L 2 d (fish, Daphnia magna)

NOEC: >1 mg/L (Algae/water plant, Daphnia magna)

d-Limonen CAS No.: 5989-27-5 EC No.: 227-813-5

LC₅₀: 0.46 mg/L 4 d (fish, Danio rerio, Oncorhynchus mykiss, Lepomis macrochirus, Pimephales promelas, Oryzias latipes, Leuciscus idus)

EC₅₀: 0.25 mg/L 2 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

EC₅₀: 0.214 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

EC50: 0.688 mg/L 4 d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC₅₀: 0.307 mg/L 2 d (crustaceans, Daphnia magna)

NOEC: 0.09 mg/L 2 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

NOEC: 0.08 mg/L 28 d (fish, fish spp.) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)

NOEC: 0.08 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

LOEC: 0.173 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3

Log K_{OW}: ≤ 0.83

sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6

Log Kow: -1.1

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

 $Log K_{OW} := 1$

d-Limonen CAS No.: 5989-27-5 EC No.: 227-813-5

Log K_{OW}: 4.5

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

potassium hydroxide CAS No.: 1310-58-3 EC No.: 215-181-3

Results of PBT and vPvB assessment: -

sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6

Results of PBT and vPvB assessment: —

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Results of PBT and vPvB assessment: —

Isotridecanol,ethoxylated CAS No.: 69011-36-5

Results of PBT and vPvB assessment: -

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Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

No data available

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)	(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 ship	ping name	•	
CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid)	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid)	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid)	CAUSTIC ALKALI LIQUID, N.O.S. (Kaliumhydroxid)
14.3. Transport haza	rd 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 precau	tions for user	•	
Special Provisions: 274	Special Provisions: 274	Special Provisions: 274	Special Provisions:
Limited quantity (LQ):	Limited quantity (LQ):	Limited quantity (LQ):	Limited quantity (LQ): Y840
Excepted Quantities (EQ):	Excepted Quantities (EQ):	Excepted Quantities (EQ):	Excepted Quantities (EQ):
Hazard identification number (Kemler No.): 80	Classification code: C5	EmS-No.: F-A, S-B	
Classification code: C5			
Tunnel restriction code: (E)			

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:

Labelling for contents according to regulation (EC) No. 648/2004 Nonionic surfactants: < 5%

perfumes , d-Limonen

National regulations

Hazardous Substances Ordinance (GefStoffV)

Minimum protective measures according to TRGS 500

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Regeln (DGUV-Regeln)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 5.45 weight-%

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for this product.

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

Substance name	Туре	source of supply
d-Limonen CAS No.: 5989-27-5 EC No.: 227-813-5	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

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 (Met. Corr. 1)	H290: May be corrosive to metals.	
Skin corrosion/irritation (Skin Corr. 1)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements		
H226	Flammable liquid and vapour.	
H290	May be corrosive to metals.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	

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

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Hazard statements	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

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.