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

1.1. Product identifier
Trade name/designation:

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UFI:
6AXY-P8XF-H6FF-TSCJ

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

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
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

2.2. Label elements

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

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

Hazard statements for health hazards	
H319	Causes serious eye irritation.

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Supplemental hazard information: none

Precautionary statements Prevention	
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

Precautionary statements Response	
P337 + P313	If eye irritation persists: Get medical advice/attention.

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.: 68891-38-3 EC No.: 500-234-8 REACH No.: 01-2119488639-16	**Fettalkohol-C12/14-ethersulfat, Natriumsalz** Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger **Specific concentration limit (SCL)** Eye Irrit. 2; H319: 5% ≤ C < 10% Eye Dam. 1; H318: 10% ≤ C < 100% **Acute Toxicity Estimate** ATE (oral) 4,100 mg/kg ATE (dermal) > 2,000 mg/kg	1 – < 2.99 weight-%
CAS No.: 68411-30-3 EC No.: 270-115-0 REACH No.: 01-2119489428-22	**Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts** Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger **Acute Toxicity Estimate** ATE (oral) 1,080 mg/kg ATE (dermal) > 2,000 mg/kg	0 – < 1.13 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). If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Remove victim out of the danger area. Remove contaminated, saturated clothing.

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

In case of skin contact:
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:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:
Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:
Use personal protection equipment.

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

Serious eye damage/eye irritation

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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.

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:
Wear personal protection equipment (refer to section 8).
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.

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7.3. Specific end use(s)

Industrial sector specific solutions:
Washing-up liquids, irritant

GISCODE:
GU30

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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.

Respiratory protection:
Respiratory protection necessary at: aerosol or mist formation Filter type: A2 P2

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: green
Odour: scented
flammability: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	≈ 7	
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 g/cm³	
Bulk density	*not applicable*	
Water solubility	miscible	
Dynamic viscosity	*No data available*	
Kinematic viscosity	*No data available*	

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity
No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
Avoid high temperatures or direct sunlight.

10.5. Incompatible materials
No data available

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

Fettalkohol-C12/14-ethersulfat, Natriumsalz CAS No.: 68891-38-3 EC No.: 500-234-8	
LD_{50} oral: 4,100 mg/kg (Ratte)	
LD_{50} dermal: >2,000 mg/kg (Ratte)	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0	
LD_{50} oral: 1,080 mg/kg (rat) OECD Guideline 401 (Acute Oral Toxicity)	
LD_{50} dermal: >2,000 mg/kg (rat) OECD Guideline 402 (Acute Dermal Toxicity)	

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

Serious eye damage/irritation:
Causes serious eye irritation.

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

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SECTION 12: Ecological information

12.1. Toxicity

Fettalkohol-C12/14-ethersulfat, Natriumsalz CAS No.: 68891-38-3 EC No.: 500-234-8
LC_{50}: 7.1 mg/L 4 d (fish)
LC_{50}: 7.1 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio))
LC_{50}: 1.17 mg/L 4 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
EC_{50}: 7.2 mg/L 2 d (Daphnia magna)
EC_{50}: 27.7 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
EC_{50}: 7.4 mg/L 2 d (crustaceans, Daphnia magna)
NOEC: 0.27 mg/L 21 d (Daphnia magna)
NOEC: 0.95 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
NOEC: 0.14 mg/L 28 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri))
NOEC: 0.27 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0
LC_{50}: 2.88 mg/L 2 d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)
LC_{50}: 2.88 mg/L 3 d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)
LC_{50}: 1.67 mg/L 4 d (fish, Lepomis macrochirus) US EPA, 1975. Reliability, deviations and validity evaluated against the criteria of USEPA 850.1075, 1996.
LC_{50}: 3.94 mg/L 4 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
EC_{50}: 29 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) Payne AG, Hall RH, 1979, in Aquatic Toxicology, ASTM, STP 667, pp. 171-180; and US EPA, 1978, The Selenastrum capricornutum Printz algal assay. Deviations, reliability, and validity will be evaluated using the USEPA OPPTS 850.5400 (1996) guideline.
EC_{50}: 2.9 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
NOEC: 0.5 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) Payne AG, Hall RH, 1979, in Aquatic Toxicology, ASTM, STP 667, pp. 171-180; and US EPA, 1978, The Selenastrum capricornutum Printz algal assay. Deviations, reliability, and validity will be evaluated using the USEPA OPPTS 850.5400 (1996) guideline.
NOEC: ≥4 mg/L 28 d (Algae/water plant, Elodea canadensis)
NOEC: 1.18 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
LOEC: 1 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) Payne AG, Hall RH, 1979, in Aquatic Toxicology, ASTM, STP 667, pp. 171-180; and US EPA, 1978, The Selenastrum capricornutum Printz algal assay. Deviations, reliability, and validity will be evaluated using the USEPA OPPTS 850.5400 (1996) guideline.
EC_{50}: 2.9 mg/L 2 d (Daphnia magna) OECD 202

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Fettalkohol-C12/14-ethersulfat, Natriumsalz CAS No.: 68891-38-3 EC No.: 500-234-8
Log K_{OW}: 0.3
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0
Log K_{OW}: 1.4
Bioconcentration factor (BCF): 98 Species: other: Cellular and subcellular fractions from Common carp (Cyprinus carpio) and Rainbow trout (Oncorhynchus mykiss)

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Fettalkohol-C12/14-ethersulfat, Natriumsalz CAS No.: 68891-38-3 EC No.: 500-234-8
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0
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 *	(07) WASTES FROM ORGANIC CHEMICAL PROCESSES (06) Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics (01 *) aqueous washing liquids and mother liquors
20 01 29 *	(20) MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS (01) separately collected fractions (except 15 01) (29 *) Detergents containing hazardous substances

**: Evidence for disposal must be provided.*

Waste code packaging

Remark:
Plastic packaging

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			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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:

Ingredients according to the Detergents Regulation 648/2004/EG:
anionic surfactants: 5% and above but less than 15%
1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not 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

Substance name	Type	source of supply
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0	Classification of the substance or mixture; LD_{50} oral; LD_{50} dermal; LC_{50}; EC_{50}; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
Fettalkohol-C12/14-ethersulfat, Natriumsalz CAS No.: 68891-38-3 EC No.: 500-234-8	LC_{50}; EC_{50}; NOEC	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
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

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

Hazard statements	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful 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.