

SAFETY DATA SHEET

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

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

1.1. Product identifier

Trade name/designation:

Alkorein

UFI:

0Q4N-C6MX-A6QD-DCT1

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

Use of the substance/mixture:

Alkoholreiniger

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.	

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.

Supplemental hazard information

EUH208 Contains 4-tert-butylcyclohexyl acetate. May produce an allergic reaction.

Precautionary statements Prevention

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

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Precautionary statements Response

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

Description:

Wässrige Lösung

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64-17-5 EC No.: 200-578-6 REACH No.: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2, Flam. Liq. 2 Danger H225-H319	< 15 weight-%
CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2 Warning H319	< 10 weight-%
CAS No.: 84961-78-4 EC No.: 284-669-6	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., potassium salts The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. Danger H302-H315-H318-H412	< 5 weight-%
CAS No.: 69011-36-5	Isotridecanol,ethoxylated Acute Tox. 4, Eye Dam. 1 Danger H302-H318	0 - < 5 weight-%
CAS No.: 78-93-3 EC No.: 201-159-0 REACH No.: 01-2119457290-43-XXXX	butanone Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 Danger H225-H319-H336-EUH066	< 0.1 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.

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. If skin irritation or rash occurs: Get medical advice/attention.

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.

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Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

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:

P:ff2a1466-0380-4d9e-872f-6a46d064459b

Unsuitable extinguishing media:

P:2115ce28-33a5-48ab-b0e9-d5843c52a7ab

5.2. Special hazards arising from the substance or mixture

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).

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Advices on general occupational hygiene

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

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

7.3. Specific end use(s)

Industrial sector specific solutions:

Maintainer, irritant, containing solvents

GISCODE:

GU80

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
PL	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	① 1,900 mg/m ³
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)
PL	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 67 mg/m ³ ② 100 mg/m ³
PL	butanone CAS No.: 78-93-3 EC No.: 201-159-0	① 450 mg/m ³ ② 900 mg/m ³ ⑤ (może przenikać przez skórę do organizmu)
IOELV (EU)	butanone CAS No.: 78-93-3 EC No.: 201-159-0	① 200 ppm (600 mg/m ³) ② 300 ppm (900 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 DIN 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.

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: blue

Odour: parfümiert

Safety relevant basis data

parameter		at °C	Method	Remark
pH	= 6			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	> 35 °C			unterhält die Verbrennung nicht
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1 g/cm ³			
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
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

Dämpfe können mit Luft explosionsfähiges Gemisch bilden.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Hydrogen peroxide, Perchlorates, Nitric acid, Nitriles, potassium permanganate, Peroxides, Ethylene oxide, Alkali metals, Alkaline earth metals

10.4. Conditions to avoid

Erwärmung

10.5. Incompatible materials

Gummi, verschiedene Kunststoffe, Basen, Säuren.

10.6. Hazardous decomposition products

No data available

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SECTION 11: Toxicological information

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

Substance name	Toxicological information
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	LD₅₀ oral: 10,470 mg/kg (Ratte) LC₅₀ Acute inhalation toxicity (vapour): 51 mg/l 4 h (Ratte) LD₅₀ dermal: >2,000 mg/kg (Kaninchen)
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:

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

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Contains 4-tert-butylcyclohexyl acetate. 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

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SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	LC₅₀ : 5,012 mg/l 2 d (Algae/water plant, Ceriodaphnia dubia (Wasserfloh)) EC₅₀ : 275 mg/l 3 d (Algae/water plant, Chlorella vulgaris) OECD- Prüfrichtlinie 201
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) 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) LC₅₀ : >1 - 10 mg/l (fish)
butanone CAS No.: 78-93-3 EC No.: 201-159-0	LC₅₀ : 2,993 mg/l 4 d (fish, Pimephales promelas) OECD Prüfrichtlinie 203 EC₅₀ : 308 mg/l 2 d (crustaceans, Daphnia magna) OECD-Prüfrichtlinie 202

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	Yes, rapidly	
butanone CAS No.: 78-93-3 EC No.: 201-159-0	Yes, rapidly	

12.3. Bioaccumulative potential

Substance name	Log K _{ow}	Bioconcentration factor (BCF)
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	-0.35	0.66
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	= 1	
butanone CAS No.: 78-93-3 EC No.: 201-159-0	0.3	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	—
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	—
Isotridecanol,ethoxylated CAS No.: 69011-36-5	—
butanone	—

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Substance name	Results of PBT and vPvB assessment
CAS No.: 78-93-3 EC No.: 201-159-0	

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 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

No dangerous good in sense of these transport regulations.

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			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Maritime transport in bulk according to IMO instruments

not relevant

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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:

non-ionic surfactants <5%

anionic surfactants <5%

perfumes. Benzyl Salicylate, Hexyl Cinnamal, Citronellol.

Gefahrstoffverordnung 3. und 4. Abschnitt Allgemeine und ergänzende Schutzmaßnahmen
Waschmittel- und Reinigungsmittelgesetz

TRGS 500 Schutzmaßnahmen: Mindeststandards

DGUV Vorschrift 1 Grundsätze der Prävention

DGUV Regel 112-189 Benutzung von Schutzkleidung

DGUV Regel 112-190 Benutzung von Atemschutzgeräten

DGUV Regel 112-192 Benutzung von Augen- und Gesichtsschutz

DGUV Regel 112-195 Benutzung von Schutzhandschuhen

Wassergefährdungsklasse 1 (schwach wassergefährdend) (AwSV, Anlage 1 (5.2))

Lagerklasse TRGS 510 3

Merkblatt BG Chemie: M004 Reizende Stoffe/Ätzende Stoffe

M050 Umgang mit gesundheitsgefährlichen Stoffen

M053 Allgemeine Arbeitsschutzmaßnahmen für den Umgang mit Gefahrstoffen.

Beschäftigungsbeschränkungen für Jugendliche nach JArbSchG beachten.

Beschäftigungsbeschränkungen für werdende und stillende Mütter nach MuSchArbV beachten

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

Für dieses Produkt wurde keine Stoffsicherheitsbeurteilung durchgeführt.

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]

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.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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Hazard statements

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
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16.6. Training advice

No data available

16.7. Additional information

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse und dienen dazu, das Produkt im Hinblick auf die zu treffenden Sicherheitsvorkehrungen zu beschreiben. Sie stellen keine Zusicherung von Eigenschaften des beschriebenen Produkts dar. Bestehende Gesetze und Bestimmungen sind vom Empfänger unseres Produktes in eigener Verantwortung zu beachten.