

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 1/10

Lorol Duftöl Exotica

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

1.1. Product identifier

Trade name/designation:

Lorol Duftöl Exotica

Article No.:

381

UFI:

86NX-RM6H-FTNQ-CFY7

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

No data available

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
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 2/10

Lorol Duftöl Exotica

Signal word: Warning

Hazard statements for health hazards

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
------	--

Supplemental hazard information

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, dipentene. May produce an allergic reaction.
--------	---

Precautionary statements Prevention

P280	Wear protective gloves and eye protection/face protection.
------	--

Precautionary statements Response

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
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:

aqueous solution

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 Index No.: 603-002-00-5 REACH No.: 01-2119457610-43-XXXX	ethanol Eye Irrit. 2 (H319), Flam. Liq. 2 (H225) Danger	1 - < 5 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) Warning	1 - ≤ 5 weight-%
CAS No.: 69011-36-5	Isotridecanol,ethoxylated Acute Tox. 4 (H302), Eye Dam. 1 (H318) Danger	1 - ≤ 5 weight-%
CAS No.: 138-86-3 EC No.: 205-341-0 Index No.: 601-029-00-7	dipentene 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 M-factor (acute): 1 M-factor (chronic): 1	0 - < 1 weight-%
CAS No.: 78-93-3 EC No.: 201-159-0 Index No.: 606-002-00-3 REACH No.: 01-2119457290-43-XXXX	butanone Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger EUH066	0 - ≤ 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). If unconscious but breathing normally, place in recovery position and seek

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 3/10

Lorol Duftöl Exotica

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. Take off immediately all contaminated clothing.

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 Allergic reactions

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:

Full water jet

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.

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).

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 4/10

Lorol Duftöl Exotica

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.

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

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) from 29 Mar 2019	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	① 200 ppm (380 mg/m ³) ② 800 ppm (1,520 mg/m ³) ⑤ DFG, Y
TRGS 900 (DE) from 1 Mar 2011	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) EU, DFG, Y, 11
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)
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)
TRGS 900 (DE)	butanone CAS No.: 78-93-3 EC No.: 201-159-0	① 200 ppm (600 mg/m ³) ② 200 ppm (600 mg/m ³) ⑤ (kann über die Haut aufgenommen werden) DFG, EU, H, Y
DFG (DE)	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ einatembare Fraktion (Reaktionsgemisch, bestehend aus 5-Chlor-2-methyl-2H-isothiazol-3-on und 2-Methyl-2H-isothiazol-3-on (3:1)) Sh

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 5/10

Lorol Duftöl Exotica

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
TRGS 903 (DE) from 9 Nov 2015	butanone CAS No.: 78-93-3 EC No.: 201-159-0	2 mg/L	① 2-Butanon ② Urin ③ Expositionsende bzw. Schichtende

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:

If there is a risk of eye contact. 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:

Usually no personal respirative protection necessary.

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: yellow

Odour: scented

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	6 - 8	
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	0.994 g/cm ³	
Bulk density	not applicable	
Water solubility	No data available	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 6/10

Lorol Duftöl Exotica

9.2. Other information

No data available

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

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

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

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains 1,2-benzisothiazol-3(2H)-one, dipentene. 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.

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 7/10

Lorol Duftöl Exotica

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

ethanol CAS No.: 64-17-5 EC No.: 200-578-6
LC ₅₀ : 5,012 mg/L 2 d (Algae/water plant, Ceriodaphnia dubia (Wasserfloh))
EC ₅₀ : 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
LC ₅₀ : 1,300 mg/L 4 d (Sonnenbarsch) OECD 203
EC ₅₀ : >100 mg/L 2 d (Daphnia magna)
ErC ₅₀ : 1,101 mg/L 3 d (Algae/water plant)
Isotridecanol,ethoxylated CAS No.: 69011-36-5
LC ₅₀ : >1 - 10 mg/L 4 d (fish, Leuciscus idus)
EC ₅₀ : >1 - 10 mg/L 2 d (crustaceans)
EC ₅₀ : >1 - 10 mg/L 3 d (Algae/water plant)
NOEC: >1 mg/L 21 d (crustaceans)
LC ₅₀ : >1 - 10 mg/L (fish, Daphnia magna)
LC ₅₀ : >1 - 10 mg/L (fish)
EC ₅₀ : >1 - 10 mg/L 2 d (fish, Daphnia magna)
NOEC: >1 mg/L (Algae/water plant, Daphnia magna)
dipentene CAS No.: 138-86-3 EC No.: 205-341-0
LC ₅₀ : 0.702 mg/L 4 d (fish)
butanone CAS No.: 78-93-3 EC No.: 201-159-0
LC ₅₀ : 2,993 mg/L 4 d (fish, Pimephales promelas) OECD Prüfrichtlinie 203
EC ₅₀ : 308 mg/L 2 d (crustaceans, Daphnia magna) OECD-Prüfrichtlinie 202

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

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

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 8/10

Lorol Duftöl Exotica

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

ethanol CAS No.: 64-17-5 EC No.: 200-578-6
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: —
dipentene CAS No.: 138-86-3 EC No.: 205-341-0
Results of PBT and vPvB assessment: —
butanone CAS No.: 78-93-3 EC No.: 201-159-0
Results of PBT and vPvB assessment: —
(10E)-1-oxacycloheptadec-10-en-2-one CAS No.: 28645-51-4 EC No.: 814-308-5
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

16 03 05 *	organic wastes 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			
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

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 9/10

Lorol Duftöl Exotica

14.7. Maritime transport in bulk according to IMO instruments

No data available

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:

Nonionic surfactants: <5%

Benzisothiazolinone, Methylisothiazolinone, perfumes

15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

Observe employment restrictions according to the Act on the Protection of Mothers at Work, in Training and in Studies (Maternity Protection Act - MuSchG).

Observe employment restrictions according to the Law for the protection of working youth (Protection of Young Persons Act - JArbSchG).

Water hazard class

WGK:

2 - obviously hazardous to water

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

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

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
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

SAFETY DATA SHEET

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

Revision date: 29 Sept 2023

Print date: 25 Jun 2024

Version: 1



Page 10/10

Lorol Duftöl Exotica

Hazard statements

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

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.