

Trade name: Lexgard E

Substance number: 075200

Version: 1 / CH

Date revised: 14.10.2022

Replaces Version: - / CH

Print date: 14.10.22

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

1.1. Product identifier

Lexgard E

Item No. 07520000

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

Use of the substance/preparation

Preservative for cosmetics

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.
Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains 3-(2-ethylhexyloxy)propane-1,2-diol

SECTION 3: Composition/information on ingredients**Hazardous ingredients****3-(2-ethylhexyloxy)propane-1,2-diol**

CAS No.	70445-33-9		
EINECS no.	408-080-2		
Concentration	>=	50	%
Classification (Regulation (EC) No. 1272/2008)			
	Eye Dam. 1		H318
	Aquatic Chronic 3		H412

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical attention. If unconscious place in recovery position and seek medical advice.

After inhalation

Ensure supply of fresh air.

After skin contact

Wash off with soap and water.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

Until now no symptoms known so far.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Water

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

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Other information

Do not inhale explosions- and combustion gases. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove persons to safety. Ensure supply of fresh air.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Send in suitable containers for recovery or disposal. Provide adequate ventilation.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in original packaging.

Storage classes

Storage class according to TRGS 510	10	Flammable liquids
Storage category (Switzerland)	8	Caustic and corrosive substances

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****Exposure controls**

Provide adequate ventilation.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Hand protection must comply with EN 374.

Eye protection

Safety glasses

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid
Colour	clear
Odour	slightly sweetish
pH value	

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Value	6	to	7	
Melting point				
Value	<	-76		°C
Pressure		1.013	hPa	
Initial boiling point and boiling range				
Value	>	285		°C
Pressure		1.006	hPa	
Flash point				
Value		152		°C
Pressure		103.8	kPa	
Evaporation rate				
Remarks	not determined			
Vapour pressure				
Remarks	No data available			
Viscosity				
Value		144		mPa.s
Temperature		20	°C	

9.2. Other information**Surface tension**

Value		39.84		mN/m
Temperature		20	°C	
Source	ECHA			

SECTION 10: Stability and reactivity**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****3-(2-ethylhexyloxy)propane-1,2-diol**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 401		

Acute dermal toxicity (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

Acute inhalative toxicity (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

Species	rat		
LC50		3.07	mg/l
Method	OECD 403		
Remarks	Harmful by inhalation.		

Skin corrosion/irritation (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

evaluation	slightly irritant		
Method	OECD 404		

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Serious eye damage/irritation (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

evaluation	irritant - risk of serious damage to eyes
Method	OECD 405

Sensitization (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

Method	OECD 406
Remarks	No sensitisation effect known.

Mutagenicity (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

evaluation	No mutagenicity in the Ames-test.
Method	OECD 471

3-(2-ethylhexyloxy)propane-1,2-diol

Method	OECD 474
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SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****3-(2-ethylhexyloxy)propane-1,2-diol**

Species	zebra fish (<i>Brachydanio rerio</i>)	
LC50	60.2	mg/l

3-(2-ethylhexyloxy)propane-1,2-diol

Species	zebra fish (<i>Brachydanio rerio</i>)	
NOEC	1.5	mg/l
Duration of exposure	35	d
Method	OECD 210	

Daphnia toxicity (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

Species	<i>Daphnia magna</i>	
EC50	78.3	mg/l
Duration of exposure	48	h

3-(2-ethylhexyloxy)propane-1,2-diol

Species	<i>Daphnia magna</i>	
NOEC	20	mg/l
Method	OECD 211	

Algae toxicity (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

Species	<i>Desmodesmus subspicatus</i>	
IC50	48.3	mg/l
Duration of exposure	72	h

Bacteria toxicity (Components)**3-(2-ethylhexyloxy)propane-1,2-diol**

EC50	560	mg/l
Method	OECD 209	

12.2. Persistence and degradability**Biodegradability (Components)****3-(2-ethylhexyloxy)propane-1,2-diol**

evaluation	biodegradable
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Method OECD 302B/ISO 9888/EEC 88/302,C

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)**

3-(2-ethylhexyloxy)propane-1,2-diol

log Pow 2.53

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic, Category 3

Eye Dam. 1 Serious eye damage, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.