

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HD-Reiniger

Revision date: 19.06.2018

Product code: 806030

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

HD-Reiniger

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

Company name: Eurolub GmbH
Place: D-85386 Eching
Telephone: +49 (0) 81 65 95 91 – 0
e-mail: info@eurolub.com

Telefax: +49 (0) 81 65 95 91 – 20

1.4. Emergency telephone number: Giftnotruf Freiburg: +49 (0) 761 / 19240

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

tetrasodium 2,2',2'',2'''-(ethane-1,2-diylidinitrilo)-tetraacetate

Alcohols, C9-11 ethoxylated, < 2.5 EO

Signal word: Danger**Pictograms:****Hazard statements**

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

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 lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
111-76-2	2-butoxyethanol			5 - < 10 %
	203-905-0		01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
64-02-8	tetrasodium 2,2',2'',2'''-(ethane-1,2-diylidinitrilo)-tetraacetate			5 - < 10 %
	200-573-9			
	Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT RE 2; H332 H302 H318 H373			
68439-46-3	Alcohols, C9-11 ethoxylated, < 2.5 EO			1 - < 5 %
	614-482-0		01-2119980051-45	
	Acute Tox. 4, Eye Dam. 1; H302 H318			
28348-53-0	sodium cumenesulphonate / potassium cumenesulphonate			1 - < 5 %
	24-882-7			
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.
After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: Solvents/Thinner.

After contact with eyes

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. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
Call a physician immediately.
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO2), Extinguishing powder, Water mist

Unsuitable extinguishing media

High power water jet

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5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Hazardous decomposition products: carbon black. Danger of serious damage to health by prolonged exposure.

Use appropriate respiratory protection.

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.

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

Contains: Solvent - Keep away from sources of ignition - No smoking. Ventilate affected area.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Safe handling: see section 7

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed and suitable containers for disposal. Disposal: see section 13

Clean with detergents. Avoid solvent cleaners.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Contains: Solvent - In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Only use the material in places where open light, fire and other flammable sources can be kept away. Use explosion-proof electrical equipment.

Never use pressure to empty container. Keep/Store only in original container. Do not allow to enter into surface water or drains. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Advice on protection against fire and explosion

Solvent - Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Further information on handling

Do not breathe gas/fumes/vapour/spray. When using do not eat, drink, smoke, sniff. Do not put any product-impregnated cleaning rags into your trouser pockets. When diluting/dissolving, always have the water ready first, then slowly stir in the product. Wash hands before breaks and after work. Provide adequate ventilation as well as local exhaustion at critical locations.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV)

Advice on storage compatibility

Do not store together with: Oxidising agent, Strong acid, Strong alkali

Further information on storage conditions

Notice the directions for use on the label.

storage temperature of °C 5 up to °C 25

Contains: Solvent - Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid	240 mmol/mol	urine	Post shift

8.2. Exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless
 Odour: characteristic

pH-Value (at 20 °C):

Test method
 11,3-11,5 ISO 4316

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: not determined
 Sublimation point: not determined
 Softening point: not determined
 Pour point: not determined
 Flash point: not determined
 Sustaining combustion: Not sustaining combustion
 Density (at 20 °C): 1,040 - 1,06 g/cm³ ASTM D 1296

SECTION 10: Stability and reactivity

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Oxidising agent, Strong acid, Strong alkali

10.4. Conditions to avoid

In case of warming: Formation of: Carbon dioxide

10.6. Hazardous decomposition products

Nitrogen oxides (NOx), carbon black, Carbon dioxide (CO₂), Carbon monoxide

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-butoxyethanol				
	oral	LD50 1414 mg/kg	Guinea pig		
	dermal	LD50 1999 mg/kg	Guinea pig		
	inhalative (4 h) vapour	LC50 20 mg/l	Rat		
	inhalative aerosol	ATE 1,5 mg/l			
64-02-8	tetrasodium 2,2',2'',2'''-(ethane-1,2-diyl)dinitrilo)-tetraacetate				
	oral	LD50 > 1913 mg/kg	Rat männlich		
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
68439-46-3	Alcohols, C9-11 ethoxylated, < 2.5 EO				
	oral	LD50 > 5050 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit		
28348-53-0	sodium cumenesulphonate / potassium cumenesulphonate				
	oral	LD50 >5000 mg/kg	Ratte männlich	LD50	
	dermal	LD50 >2000 mg/kg	Kaninchen männlich / weiblich	LD50	
	inhalative (4 h) aerosol	LC50 >12200 mg/l	Ratte männlich / weiblich		

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
111-76-2	2-butoxyethanol					
	Acute fish toxicity	LC50 1474 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 1845 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 1800 mg/l	48 h	Daphnia magna (Big water flea)		
64-02-8	tetrasodium 2,2',2'',2'''-(ethane-1,2-diyl)dinitrilo)-tetraacetate					
	Acute fish toxicity	LC50 121 mg/l	96 h	Lepomis macrochirus		
	Acute algae toxicity	ErC50 >60 mg/l	72 h	Pseudokirchneriella subcapitata		
68439-46-3	Alcohols, C9-11 ethoxylated, < 2.5 EO					
	Acute fish toxicity	LC50 5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute crustacea toxicity	EC50 9,9 mg/l	48 h			
28348-53-0	sodium cumenesulphonate / potassium cumenesulphonate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Cyprinus carpio		
	Acute algae toxicity	ErC50 >100 mg/l	72 h	>100mg/l Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol	0,81

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains.
Dispose according to legislation.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of contaminated packaging

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

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14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs (Atmungssystem) through prolonged or repeated exposure (inhalation, ingestion).

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)