

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : HELLMANEX II
Version : 20.05.2008 7.0.0
Revision : 20.05.2008

01. Identification of the substance/preparation and of the company/undertaking

Product name

HELLMANEX II

Use of the substance / preparation

Detergent

Manufacturer/Supplier

Hellma GmbH & Co. KG

Street/P.O.Box

Klosterrunsstrasse 5

Country code/Postal code/Town/City

DE-79379 Müllheim

Telephone / Telefax

+49 7631 18 20 / +49 7631 13546

Emergency information

Schweizerisches Toxikologisches Informationszentrum +41 44 251 51 51

Contact

+49 7631 18 20 www.hellma-analytics.com

02. Hazards identification

Hazard designation

Irritating to eyes and skin.

Classification : Xi ; R 36/38

03. Composition/information on ingredients

Hazardous components

TRIPOTASSIUM ORTHOPHOSPHATE ; EC-No. : 231-907-1; CAS-No. : 7778-53-2

Percentage : 15 - 30 %

Classification : Xi ; R 36/38

TRISODIUM NITRILOTRIACETATE ; EC-No. : 225-768-6; CAS-No. : 5064-31-3

Percentage : 5 - 15 %

Classification : Xn ; R 22 Xi ; R 36

For the wording of the listed risk phrases refer to section 16.

Regulation (EC) No. 648/2004: Labelling for contents

phosphates 15 - < 30 %

NTA (nitrilotriacetic acid) and salts thereof 5 - < 15 %

anionic surfactants < 5 %

non-ionic surfactants < 5 %

04. First-aid measures

After inhalation

Let in fresh air.

After skin contact

Flush away with water and rinse.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Call a physician.

05. Fire-fighting measures

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Suitable extinguishing media

Carbon dioxide. Extinguishing powder. Water spray jet.

Unsuitable extinguishing media

None known.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

In case of fire toxic gases may be formed.

06. Accidental release measures

Personal precautions

Take the precautions customary when handling chemicals.

Environmental precautions

Do not empty into drains.

07. Handling and storage

Information for safe handling

Avoid contact with skin and eyes.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Storage class (VCI) : 12

08. Exposure controls/personal protection

Personal protective equipment

General protective and hygiene measures

Keep away from food, drink and animal feeding stuff

Hand protection

In full contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. In splash contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 Min. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

Eye protection

Use tightly fitting safety glasses.

Body protection

Light protective clothing.

09. Physical and chemical properties

Image

Form : Liquid.
Colour : Light yellowish.
Odour : Poor, characteristic.

Relevant safety data

Boiling point / range :	(1013 hPa)	100	°C
Flash point :		not applicable	°C
Vapour pressure :	(50 °C)	no data available	hPa
Density :	(20 °C)	1.4	g/cm ³
Solvent-separation test :	(20 °C)	no data available	%
Solubility in water :	(20 °C)	100	g/l
pH value :	(20 °C / 10 g/l)	ca.	11.7

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Flow time :	(20 °C)	no data available	s	DIN-cup 4 mm
Viscosity :	(20 °C)	no data available	mPa.s	

10. Stability and reactivity

Conditions to avoid

Thermal decomposition above 230 °C.

Materials to avoid

Reactions with acids: development of heat.

11. Toxicological information

Toxicological tests

LD50/LC50 values that are relevant for classification

Specification :	LD-50
Routes of entry :	oral
Test species :	Rat
Value / dosage :	> 2000 mg/kg

12. Ecological information

Details on elimination (persistence / degradability)

Biological degradation / elimination

Specification :	Biodegradability according to OECD
Value / dosage :	> 80 %

Regulation on Detergents (EC) No 648/2004

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request.

Additional ecological information

Additional ecological data

Specification :	Chemical oxygen demand (COD)
Value / dosage :	108 g/kg

13. Disposal considerations

Product

Recommendation

In accordance with local official regulations.

Waste key

Waste code (91/689/EEC) : 07 06 01*

14. Transport information

Land transport ADR/RID

Classification

Class : -

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

15. Regulatory information

Classification according to EC directives

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Danger symbol and danger designation



Xi ; Irritant

R-phrases

36/38 Irritating to eyes and skin.

S-phrases

35 This material and its container must be disposed of in a safe way.

37 Wear suitable gloves.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

24/25 Avoid contact with skin and eyes.

National regulatory information

Emission control act ("TA-Luft")

Sum organic substances class III : < 5 %

Water pollution classification (Germany)

Class : 2 according VwVwS

16. Other information

The user is responsible for the observance of all required statutory provisions.

Further information

R-Phrases of components

22 Harmful if swallowed.

36 Irritating to eyes.

36/38 Irritating to eyes and skin.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
