

Material Safety Data Sheet

according to 91/155/EEC - 2001/58/EC



Product name : deconex 15 NF
Revision : 24.12.2004 Version : 2.0.0
Print date : 23.09.2005

01. Identification of substance, preparation and company

Product name:

deconex 15 NF

Use of the substance / preparation

Detergent

Manufacturer

Borer Chemie AG

Street/P.O.Box

Gewerbestrasse 13

Country code/Postal code/Town/City

4528 Zuchwil/Switzerland

Telephone / Telefax

032 686 56 00 / 032 686 56 90

Emergency information

Schweizerisches Toxikologisches Informationszentrum ++41 (0)44 251 51 51

02. Composition/information on ingredients

Hazardous components

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

Percentage : 5 - 15 %

Classification : Xn ; R 22 Xi ; R 36

POTASSIUM HYDROXIDE ; EC-No. : 215-181-3 ; CAS-No. : 1310-58-3

Percentage : < 5 %

Classification : C ; R 35 Xn ; R 22

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

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

non-ionic surfactants < 5 %

03. Hazards identification

Hazard designation

Causes burns

Classification : C ; R 34

04. First-aid measures

After inhalation

No particular measures required.

After skin contact

Immediately remove all contaminated clothing. Flush with plenty of water (10 - 15 min.).

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. Do not induce vomiting - call a physician. Unconsciousness: lateral position - call a physician.

05. Fire-fighting measures

Suitable extinguishing media

Water.

Unsuitable extinguishing media

None known.

Additional information

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None.

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) : 8

08. Exposure controls and 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 : Clear. 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)	1.1	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.	11.9	
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.

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Materials to avoid

Reactions with acids: development of heat.

11. Toxicological information

12. Ecological information

Details on elimination (persistence / degradability)

Biological degradation / elimination

Specification : Biodegradability according to OECD
Value / dosage : > 70 %

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 : 140 g/kg

13. Disposal considerations

In accordance with local official regulations.

Product

Waste key

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

14. Transport information

Land transport ADR/RID

Classification

Class :	8	Kemlercode :	80
Substance number :	1814	Classification-Code :	C5

LQ19

Proper shipping name

POTASSIUM HYDROXIDE SOLUTION

Packaging

Packaging group : III
Label : 8

Maritime transport IMDG/GGVSea

Classification

IMDG-Code :	8	EmS number :	
UN number :	1814		

LQ 1 I

Proper shipping name

POTASSIUM HYDROXIDE SOLUTION

Packaging

Packaging group : III
Label : 8

Air transport ICAO-TI and IATA-DGR

Classification

Class :	8
UN number :	1814

Proper shipping name

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15. Regulatory information

Classification according to EEC directives

Danger symbol and danger designation



C ; Corrosive

Hazard-determining components of labelling

POTASSIUM HYDROXIDE ; CAS-No. : 1310-58-3

R-phrases

34 Causes burns

S-phrases

36/37/39 Wear suitable protective clothing, gloves and eye/face protection
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
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
35 This material and its container must be disposed of in a safe way

National regulatory information

Regulation on inflammable liquids (VbF, Germany)

VbF-Class : Not dangerous according to VbF

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

Relevant changes

14. Land transport ADR/RID and GGVS/GGVE (2003) · 14. Proper shipping name (ADR) · 14. Substance releasing the danger (ADR) · 14. Maritime transport IMDG/GGVSea · 14. Technical name (IMDG) · 14. Substance releasing the danger (IMDG) · 14. Air transport ICAO-TI and IATA-DGR · 14. Technical name (ICAO) · 14. Substance releasing the danger (ICAO)

R-Phrases of components

22 Harmful if swallowed
35 Causes severe burns
36 Irritating to eyes

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.
