

Safety Data Sheet



according to Regulation (EC) No. 1907/2006

neodisher DuoClean

Print date: 02.10.2012

Revision date: 02.10.2012

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

Product identifier

neodisher DuoClean

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

Use of the substance/mixture

Cleaning agent.

Details of the supplier of the safety data sheet

Company name: Chemische Fabrik Dr. Weigert GmbH & Co. KG
Street: Mühlenhagen 85
Place: D-20539 Hamburg
Telephone: +49 40 789 60 0
Internet: www.drweigert.de
Responsible Department: sida@drweigert.de
Telefax: +49 40 789 60 200

Emergency telephone: GB: National poison centre, USA: Emergency Tel. No. 1-800 535 5053 (tollfree),
from outside USA: +001 352 323 3500 or a National Poison Control centre

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Corrosive, Irritant

R-phrases:

Causes severe burns.

Label elements

Danger symbols: C - Corrosive



C - Corrosive

Hazardous components which must be listed on the label:
caustic soda, sodium hydroxide

R phrases

35 Causes severe burns.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Water. .
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

SECTION 3: Composition/Information on ingredients

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Mixtures

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
REACH No.		
215-185-5	caustic soda, sodium hydroxide	10-30 %
1310-73-2	C R35	
305-318-6	sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-beta-alaninat	1-5 %
94441-92-6	Xi R38-41	

Full text of each relevant R phrase can be found in heading 16.

SECTION 4: First aid measures

Description of first aid measures

After inhalation

not applicable

After contact with skin

After contact with skin, wash immediately with: Water.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Consult physician immediately.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water fog. Water. Foam.

Extinguishing media which must not be used for safety reasons

none / none

Special hazards arising from the substance or mixture

none / none

Advice for firefighters

none / none

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. See protective measures under point 7 and 8.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage

Precautions for safe handling

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Advice on safe handling

All working processes must always be organised so that the following can be ruled out: skin contact.
Eye contact.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special technical protective measures are necessary.

Storageclass (D): 8B

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	-	-	TWA (8 h)	WEL
		-	2	-	STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

If product is splashed or sprayed in high concentrations or in case of insufficient ventilation adequate masks and filters suitable for dusts / aerosols (P2-DIN EN 143) are recommended.

Hand protection

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. In case of reutilization, clean gloves before taking off and store in well-aired place.

Duration of wearing with occasional contact (splashes): Duration of wearing with permanent contact:

Suitable material:

Butyl rubber.FKM (Fluoroelastomer (Viton)). NBR (Nitrile rubber). CR (polychloroprenes, Chloroprene rubber). NR (Natural rubber (Caoutchouc), Natural latex). PVC (Polyvinyl chloride).

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Suitable eye protection: Framed glasses. Tightly sealed safety glasses. EN 166

Skin protection

Take off immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
Colour: light yellow
Odour: characteristic

Test method

pH-Value (at 20 °C): ca. 14

Changes in the physical state

Flash point: not applicable

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Oxidizing properties

none / none

Water solubility:
(at 20 °C)

easily soluble.

SECTION 10: Stability and reactivity

Incompatible materials

Reacts with : acid, concentrated.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute toxicity, oral LD50: calculated. mg/kg bw: > 3000 mg/kg

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
94441-92-6	sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-beta-alaninat	Acute oral toxicity	LD50	> 5000 mg/kg		

Irritation and corrosivity

highly caustic.

Further information

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

Toxicity

CAS No.	Chemical name	Aquatic toxicity	Method	Dose	Species	h
1310-73-2	caustic soda, sodium hydroxide	Acute fish toxicity	LC50	45,4 mg/l	Onchorhynchus mykiss	96
94441-92-6	sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-beta-alaninat	Acute fish toxicity	LC50	> 100 mg/l		96

Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

Other adverse effects

due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

Further information

The evaluation was carried out according to the calculation method of the Preparations Directive.

SECTION 13: Disposal considerations

Waste treatment methods

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Advice on disposal

Consult the local waste disposal expert about waste disposal.

Waste disposal number of waste from residues/unused products

200115 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); alkalines
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Completely emptied packings can be re-cycled.
Waste disposal according to official state regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: UN1824
UN proper shipping name: SODIUM HYDROXIDE SOLUTION
Transport hazard class(es): 8
Packing group: II
Hazard label: 8



Classification code: C5
Limited quantity: 1 L
Transport category: 2
Hazard-no.: 80
Tunnel restriction code: E

Other applicable information (land transport)

: 2
E2

Marine transport

UN number: UN1824
UN proper shipping name: SODIUM HYDROXIDE SOLUTION
Transport hazard class(es): 8
Packing group: II
Hazard label: 8



Marine pollutant: no
Special Provisions: -
Limited quantity: 1 L
EmS: F-A, S-B

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Other applicable information (marine transport)

E2

Air transport

UN/ID number: UN1824
UN proper shipping name: SODIUM HYDROXIDE SOLUTION
Transport hazard class(es): 8
Packing group: II
Hazard label: 8



Special Provisions: A3
Limited quantity Passenger: 0.5 L
IATA-packing instructions - Passenger: 851
IATA-max. quantity - Passenger: 1 L
IATA-packing instructions - Cargo: 855
IATA-max. quantity - Cargo: 30 L

Other applicable information (air transport)

E2
: Y840

SECTION 15: Regulatory information

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

Changes

changes in section 3,11,12,15

Full text of R-phrases referred to under sections 2 and 3

35 Causes severe burns.
38 Irritating to skin.
41 Risk of serious damage to eyes.

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