

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

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

1.1. Product identifier

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

Identified Uses

PC35

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address

Chemische Fabrik Dr. Weigert GmbH & Co. KG

Mühlenhagen 85

D-20539 Hamburg

Telephone no. +49 40 789 60 0

Fax no. +49 40 789 60 120

www.drweigert.com

E-mail address of person responsible for this SDS:

sida@drweigert.de

1.4. Emergency telephone number

Emergency telephone number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Skin Corr. 1B H314

Eye Dam. 1 H318

STOT SE 3 H335

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

H314

Causes severe skin burns and eye damage.

H335

May cause respiratory irritation.

Precautionary statements

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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 or doctor. Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet.

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

contains disodium metasilicate; sodium carbonate peroxyhydrate

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

disodium metasilicate pentahydrate

CAS No.	10213-79-3			
EINECS no.	229-912-9			
Registration no.	01-2119449811-37			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1B		H314	
	STOT SE 3		H335	
	Eye Dam. 1		H318	
	Met. Corr. 1		H290	

ATE oral 1.150 mg/kg

sodium carbonate

CAS No.	497-19-8			
EINECS no.	207-838-8			
Registration no.	01-2119485498-19			
Concentration	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2		H319	

sodium carbonate peroxyhydrate

CAS No.	15630-89-4			
EINECS no.	239-707-6			
Registration no.	01-2119457268-30			
Concentration	>= 5	<	15	%
Classification (Regulation (EC) No. 1272/2008)	Ox. Sol. 3		H272	
	Acute Tox. 4		H302	
	Eye Dam. 1		H318	

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1	H318	>= 25 %
Eye Irrit. 2	H319	>= 7,5 < 25 %

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

ATE oral 1.034 mg/kg

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

CAS No. 3794-83-0

EINECS no. 223-267-7

Registration no. 01-2119510382-52

Concentration ≥ 1 < 10 %

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

Acute Tox. 4

H302

Route of exposure: oral

Eye Irrit. 2

H319

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319 ≥ 30 %

ATE oral 1.100 mg/kg

Other information

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. When dust is intensively inhaled, seek medical help immediately.

After skin contact

Wash off immediately with soap and water. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Knock down dust with water spray jet.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Keep container tightly closed.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value > 0 < 30 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Storage classes

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Do not inhale dust/fumes/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

Hand protection

Chemical resistant gloves

Use Permanent hand contact
neoprene

Appropriate Material
Material thickness $\geq$ 0,65 mm

Breakthrough time $>$ 480 min

Appropriate Material butyl
Material thickness $\geq$ 0,7 mm

Breakthrough time $>$ 480 min

Appropriate Material nitrile
Material thickness $\geq$ 0,4 mm

Breakthrough time $>$ 480 min

Use Short-term hand contact

Appropriate Material nitrile
Material thickness $\geq$ 0,11 mm

Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Powder
Colour white to light yellow
Odour slightly perceptible

Melting point
Remarks not determined

Freezing point
Remarks not determined

Boiling point or initial boiling point and boiling range
Remarks not determined

Flammability
evaluation not determined

Upper and lower explosive limits
Remarks not determined

Flash point
Remarks Not applicable

Auto-ignition temperature
Remarks Not applicable

Decomposition temperature
Remarks
Remarks not determined

pH value
Remarks not determined

Viscosity

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

Remarks Not applicable

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

Remarks not determined

Relative vapour density

Remarks not determined

9.2. Other information

Odour threshold

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks soluble

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

Strong exothermic reaction with acids.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE	>	2000	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)		

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

Remarks Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)

disodium metasilicate

Species	rat		
LD50		1150	mg/kg

sodium carbonate

Species	rat		
LD50		2800	mg/kg

sodium carbonate peroxyhydrate

Species	rat		
LD50		1034	mg/kg
Method	Value taken from the literature		

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

Species	rat		
LD50		1100	mg/kg

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

disodium metasilicate

Species	rat		
LD50	>	5000	mg/kg

sodium carbonate

Species	rabbit		
LD50	>	2000	mg/kg

sodium carbonate peroxyhydrate

Species	rabbit		
LD50	>	2000	mg/kg
Method	OECD 402		

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)

sodium carbonate

Species	mouse		
LC50		1,2	mg/l
Duration of exposure		2	h

sodium carbonate

Species	rat		
LC50		2,3	mg/l
Duration of exposure		2	h

Skin corrosion/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Skin corrosion/irritation (Components)

sodium carbonate peroxyhydrate

Remarks Based on available data, the classification criteria are not met.

Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation (Components)

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

sodium carbonate peroxyhydrate

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

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

evaluation	irritant
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Sensitization

Remarks	Based on available data, the classification criteria are not met.
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Sensitization (Components)

sodium carbonate peroxyhydrate

Route of exposure	dermal
Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Subacute, subchronic, chronic toxicity

Remarks	Based on available data, the classification criteria are not met.
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Mutagenicity

Remarks	Based on available data, the classification criteria are not met.
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Reproductive toxicity

Remarks	Based on available data, the classification criteria are not met.
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Reproduction toxicity (Components)

sodium carbonate

Remarks	No indications of toxic effects were observed in reproduction studies in animals.
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Carcinogenicity

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT)

Single exposure

evaluation	May cause respiratory irritation.
Remarks	The classification criteria are met.

Repeated exposure

Remarks	Based on available data, the classification criteria are not met.
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Aspiration hazard

Remarks	Based on available data, the classification criteria are not met.
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11.2. Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

not determined

Fish toxicity (Components)

disodium metasilicate

Species	zebra fish (Brachydanio rerio)		
LC50	210		mg/l
Duration of exposure	96	h	

sodium carbonate

Species	Bluegill (Lepomis macrochirus)		
LC50	300		mg/l
Duration of exposure	96	h	

sodium carbonate peroxyhydrate

Species	Fathead minnow (Pimephales promelas)		
LC50	70,7		mg/l
Duration of exposure	96	h	

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	> 100		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

sodium carbonate

Species	Ceriodaphnia spec		
EC50	200	to 227	mg/l
Duration of exposure	48	h	

sodium carbonate peroxyhydrate

Species	Daphnia pulex		
EC50	4,9		mg/l
Duration of exposure	48	h	

sodium carbonate peroxyhydrate

Species	Daphnia pulex		
NOEC	2		mg/l
Duration of exposure	48	h	

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

Species	Daphnia magna		
EC50	> 170		mg/l
Duration of exposure	96	h	

Bacteria toxicity (Components)

disodium metasilicate

Species	activated sludge		
EC50	> 100		mg/l
Duration of exposure	3	h	

sodium carbonate peroxyhydrate

Species	activated sludge		
EC50	466		mg/l
Duration of exposure	30	min	

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

Partition coefficient n-octanol/water (log value)

Remarks

not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 18 01 06* chemicals consisting of or containing dangerous substances

EWC waste code 20 01 29* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

EWC waste code 15 01 02 plastic packaging

Completely emptied packagings can be given for recycling.

EWC waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number or ID number	3253	3253	3253
14.2. UN proper shipping name	DISODIUM TRIOXOSILICATE	DISODIUM TRIOXOSILICATE	DISODIUM TRIOXOSILICATE
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg	5 kg	
Transport category	3		
14.5. Environmental hazards		no	

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

5 % or over but less than 15 %:

oxygen-based bleaching agents

less than 5 %:

phosphonates, polycarboxylates

Further ingredients

enzymes

VOC

VOC (EU) 0 %

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical safety assessment

neodisher BioPower

Version: 1 / GB

Replaces Version: - / GB

Date revised: 02.03.2026

Print date: 03.06.26

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 3	H335	Calculation method

Hazard statements listed in Chapter 2/3

H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Ox. Sol. 3	Oxidising solid, Category 3
Skin Corr. 1B	Skin corrosion, Category 1B
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
IBC: Intermediate Bulk Container
CAS: Chemical Abstracts Service
VOC: Volatile Organic Compound
ISO: International Organization for Standardization
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
OECD: Organisation for Economic Co-operation and Development

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.