

neodisher 82

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 11.10.2021

Print date: 11.10.21

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)

Met. Corr. 1	H290
Skin Corr. 1A	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

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

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Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
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 *** sodium carbonate peroxyhydrate; sodium hydroxide; disodium metasilicate

2.3. Other hazards

No special hazards have to be mentioned. The product contains no PBT or vPvB substances.

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

sodium hydroxide

CAS No.	1310-73-2
EINECS no.	215-185-5
Registration no.	01-2119457892-27
Concentration	>= 10 < 25 %
Classification (Regulation (EC) No. 1272/2008)	
	Met. Corr. 1 H290
	Skin Corr. 1A H314
	Eye Dam. 1 H318

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

Eye Irrit. 2	H319	>= 0.5 < 2
Skin Corr. 1A	H314	>= 5
Skin Corr. 1B	H314	>= 2 < 5
Skin Irrit. 2	H315	>= 0.5 < 2

sodium carbonate peroxyhydrate

CAS No.	15630-89-4
EINECS no.	239-707-6
Registration no.	01-2119457268-30
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	
	Ox. Sol. 3 H272
	Acute Tox. 4 H302
	Eye Dam. 1 H318

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

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

Sodium carbonate

CAS No.	497-19-8
EINECS no.	207-838-8
Registration no.	01-2119485498-19
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2 H319

Further ingredients

paraffin oil

CAS No.	8042-47-5
EINECS no.	232-455-8
Registration no.	01-2119487078-27
Concentration	>= 1 < 10 %
Advice: [3]	
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1 H304

Note

[3] Substance with occupational exposure limits

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.

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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

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 < 25 °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

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

sodium hydroxide

List	EH40		
Type	WEL		
Short term exposure limit	2	mg/m ³	
Status: 2011			

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.

Respiratory protection

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

Hand protection

Chemical resistant gloves

Use	Permanent hand contact		
Appropriate Material	neoprene		
Material thickness	>= 0,65	mm	
Breakthrough time	> 480	min	
Appropriate Material	butyl		
Material thickness	>= 0,7	mm	
Breakthrough time	> 480	min	
Appropriate Material	nitrile		
Material thickness	>= 0,4	mm	
Breakthrough time	> 480	min	
Use	Short-term hand contact		
Appropriate Material	nitrile		
Material thickness	>= 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

Form	solid
Colour	white
Odour	characteristic

Odour threshold

Remarks	not determined
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pH value

Value	appr. 14		
Concentration/H ₂ O	10	%	

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Temperature 20 °C

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Remarks not determined

Flash point

Remarks Not applicable

Evaporation rate (ether = 1) :

Remarks not determined

Flammability (solid, gas)

evaluation Not applicable

Upper/lower flammability or explosive limits

Remarks Not applicable

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Remarks not determined

Solubility in water

Remarks soluble

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks Not applicable

Decomposition temperature

Remarks not determined

Viscosity

Remarks Not applicable

Explosive properties

evaluation no

Oxidising properties

Remarks not determined

9.2. Other information

Bulk density

Value appr. 1150 to 1200 kg/m³

Other information

None known

SECTION 10: Stability and reactivity

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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. Corrodes aluminium.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	>	2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	Based on available data, the classification criteria are not met.		

Acute oral toxicity (Components)

sodium carbonate peroxyhydrate

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

disodium metasilicate pentahydrate

Species	rat		
LD50		1150 to 1350	mg/kg

Sodium carbonate

Species	rat		
LD50		2800	mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

sodium carbonate peroxyhydrate

Species	rabbit		
LD50	>	2000	mg/kg
Method	OECD 402		

Sodium carbonate

Species	rabbit		
LD50	>	2000	mg/kg

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

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Sodium carbonate

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

Skin corrosion/irritation

evaluation	strongly corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation

evaluation	strongly corrosive
Remarks	The classification criteria are met.

Sensitization

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

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

Single exposure

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

Repeated exposure

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

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

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

not determined

Fish toxicity (Components)

sodium carbonate peroxyhydrate

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

disodium metasilicate pentahydrate

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

sodium hydroxide

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Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	45,4		mg/l
Duration of exposure	96	h	

Sodium carbonate

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

Daphnia toxicity (Components)

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	

disodium metasilicate pentahydrate

Species	Daphnia magna		
EC50	1700		mg/l
Duration of exposure	48	h	

sodium hydroxide

Species	Daphnia magna		
EC50	> 100		mg/l
Duration of exposure	48	h	

Sodium carbonate

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

Bacteria toxicity (Components)

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

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

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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

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

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

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalis	
14.1. UN number	1759	1759	1759
14.2. UN proper shipping name	CORROSIVE SOLID, N.O.S. (sodium hydroxide, disodium metasilicate)	CORROSIVE SOLID, N.O.S. (sodium hydroxide, disodium metasilicate)	CORROSIVE SOLID, N.O.S. (sodium hydroxide, disodium metasilicate)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 kg		
Transport category	2		
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. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

15 % or over but less than 30 %:

phosphates

5 % or over but less than 15 %:

oxygen-based bleaching agents

less than 5 %:

aliphatic hydrocarbons

Water Hazard Class (Germany)

Water Hazard Class WGK 1
(Germany)

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 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 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. 1A	Skin corrosion, Category 1A
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

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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.