

neodisher brilliant tabs

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 18.10.2016

Print date: 28.06.17

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

Use of the substance/preparation

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

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

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

contains sodium carbonate peroxyhydrate

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

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 %

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

zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate)

CAS No.	7446-19-7			
EINECS no.	231-793-3			
Concentration		<	1	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4			H302
	Eye Dam. 1			H318
	Aquatic Acute 1			H400
	Aquatic Chronic 1			H410

citric acid, anhydrous

CAS No.	77-92-9			
EINECS no.	201-069-1			
Registration no.	01-2119457026-42			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Eye Irrit. 2			H319

fatty alcohols, ethoxylated, propoxylated

CAS No.	68439-51-0			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Aquatic Chronic 3			H412

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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. Consult a doctor if skin irritation persists.

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

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.

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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.

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.

Hints on storage assembly

Do not store with combustible materials.

Storage class according to TRGS 510

Storage class according to TRGS 510 13 Non- combustible solids

Further information on storage conditions

Protect from heat and direct sunlight.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

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. Dust mask

Hand protection

Chemical resistant gloves (EN 374)

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

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Breakthrough time	>	480	min
Use		Short-term hand contact	
Appropriate Material		nitrile	
Material thickness	>=	0,11	mm

Eye protection

Safety glasses with side protection shield (EN 166)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form		solid
Colour		white
Odour		of lemon
Odour threshold		
Remarks		not determined
pH value		
Value		10,4
Concentration/H ₂ O		1 %
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 determined
Upper/lower flammability or explosive limits		
Remarks		not determined
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 determined
Decomposition temperature		

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Remarks not determined

Viscosity

Remarks Not applicable

Explosive properties

evaluation not determined

Oxidising properties

evaluation oxidizing

9.2. Other information

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

Protect from heat and direct sunlight.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Acids, Reducing agents

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50	> 2000		mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

sodium carbonate peroxyhydrate

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

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

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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

sodium carbonate

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

Skin corrosion/irritation

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

Serious eye damage/irritation

evaluation irritant

Sensitization

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

Subacute, subchronic, chronic toxicity

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Remarks not determined

Aspiration hazard

No special hazards have to be mentioned.

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 (*Pimephales promelas*)

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LC50 70,7 mg/l
Duration of exposure 96 h

fatty alcohols, ethoxylated, propoxylated

Species guppy (*Poecilia reticulata*)
LC50 1 to 10 mg/l
Duration of exposure 96 h
Method OECD 203

sodium carbonate

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

zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate)

Species rainbow trout (*Oncorhynchus mykiss*)
LC50 0,43 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

fatty alcohols, ethoxylated, propoxylated

Species *Daphnia magna*
EC50 1 to 10 mg/l
Duration of exposure 48 h
Method OECD 202

sodium carbonate

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

Algae toxicity (Components)

fatty alcohols, ethoxylated, propoxylated

Species *Scenedesmus subspicatus*
EC50 1 to 10 mg/l
Duration of exposure 72 h
Method OECD 201

Bacteria toxicity (Components)

sodium carbonate peroxyhydrate

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

fatty alcohols, ethoxylated, propoxylated

Species *Pseudomonas putida*
EC0 > 100 mg/l
Method OECD 209

12.2. Persistence and degradability

General information

not determined

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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

General information

not determined

Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

General information

not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

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
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

30 % and more:

phosphates

5 % or over but less than 15 %:

oxygen-based bleaching agents

less than 5 %:

polycarboxylates, non-ionic surfactants, phosphonates

Further ingredients

enzymes

Water Hazard Class (Germany)

Water Hazard Class WGK 2

(Germany)

Remarks Classification according to Annex 4 VwVwS

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; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Ox. Sol. 3	Oxidising solid, Category 3

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.