

BRAVILOR BONAMAT CLEANER

Version: 1 / GB

Replaces Version: - / GB

Date revised: 10.12.2014

Print date: 16.12.14

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:

BRAVILOR BONAMAT B.V.
Pascalstraat 20
NL-1704 RD Heerhugowaard
Telephone no. +31 (0) 725751751
Fax no. +31 (0) 725751758
www.bravilor.com

E-mail address of person responsible for this SDS:

inkoop@bravilor.com

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)
Acute Tox. 4 H302
Eye Dam. 1 H318

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification Xn, R22
Xi, R41

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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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 Material Safety Data Sheet.

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

contains sodium carbonate peroxyhydrate

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols



Harmful

R phrases

22

Harmful if swallowed.

41

Risk of serious damage to eyes.

S phrases

25

Avoid contact with eyes.

26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37

Wear suitable gloves.

46

If swallowed, seek medical advice immediately and show this container or label.

Hazardous component(s) to be indicated on label

contains sodium carbonate peroxyhydrate

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

sodium carbonate peroxyhydrate

CAS No. 15630-89-4

EINECS no. 239-707-6

Registration no. 01-2119457268-30-0004

Concentration $\geq 25 < 50$ %

Classification O, R8

Xn, R22

Xi, R41

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

Ox. Sol. 3 H272

Acute Tox. 4 H302

Eye Dam. 1 H318

Potassium carbonate

CAS No. 584-08-7

EINECS no. 209-529-3

Registration no. 01-2119532646-36-0010

Concentration $\geq 1 < 10$ %

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Classification Xi, R36/37/38

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

Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335

sodium carbonate

CAS No.	497-19-8
EINECS no.	207-838-8
Registration no.	01-2119485498-19-0028
Concentration	>= 1 < 10 %
Classification	Xi, R36

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

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

Dry powder, Water spray jet, Foam

Non Suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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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

Keep away from combustible material.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value < 30 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Provide solvent-resistant and impermeable floor.

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.

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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
Appropriate Material neoprene
Appropriate Material PVC
Appropriate Material nitrile

Eye protection

Safety glasses with side protection shield

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
pH value	
Value	appr. 11
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	

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Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

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

Keep at temperature not exceeding 30 °C.

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

Remarks not determined

Acute oral toxicity (Components)

sodium carbonate peroxyhydrate

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

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Acute dermal toxicity

Remarks not determined

Acute dermal toxicity (Components)

sodium carbonate peroxyhydrate

Species rabbit
LD50 > 2000 mg/kg
Method OECD 402

Acute inhalational toxicity

Remarks not determined

Skin corrosion/irritation

Remarks not determined

Serious eye damage/irritation

Remarks not determined

Sensitization

Remarks not determined

Sensitization (Components)

sodium carbonate peroxyhydrate

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

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Specific Target Organ Toxicity (STOT)

Remarks not determined

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sodium carbonate peroxyhydrate

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

Daphnia toxicity (Components)

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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	

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

General information

not determined

12.6. 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

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

Non-dangerous goods

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Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

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 MARPOL73/78 and the IBC Code

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)

30 % and more:

phosphates, oxygen-based bleaching agents

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 1

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

R-phrases listed in Chapter 3

22	Harmful if swallowed.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
41	Risk of serious damage to eyes.
8	Contact with combustible material may cause fire.

Hazard statements listed in Chapter 3

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
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
Ox. Sol. 3	Oxidising solid, Category 3

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Skin Irrit. 2
STOT SE 3

Skin irritation, Category 2
Specific target organ toxicity - single exposure, 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.