

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830



Machine cleaner for dishwashers

Material number 00312193/00312194/00312195

Revision date: 2/4/2020
Version: 1

Language: en-GB,IE,BE

Date of print: 29/4/2020
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Machine cleaner for dishwashers

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

General use: Cleaning agent

1.3 Details of the supplier of the safety data sheet

Company name: ORO-Produkte Marketing International GmbH
Street/POB-No.: Im Hengstfeld 47
Postal Code, city: 32657 Lemgo
WWW: www.oro-marketing.de
E-mail: info@oro-marketing.de
Telephone: +49 (0)5261 28893-0
Telefax: +49 (0)5261 28893-48

Department responsible for information:
Quality management: +49 (0)5261 28893-0

Additional information: Distributor:
Great Britain:
BSH Home Appliances Ltd.
Customer Service
Grand Union House
Old Wolverton Road
Wolverton
Milton Keynes MK12 5PT
E-mail: mks-spares@bshg.com
Telephone: 0344 892 8921
Calls are charged at the basic rate, please check with your telephone service provider for exact charges.
Belgium:
BSH Home Appliances S. A.
Avenue du Laerbeek 74
Laarbeeklaan 74
1090 Bruxelles - Brussel
E-mail: bru-spareparts@bshg.com
Telephone: 070 22 21 41

1.4 Emergency telephone number

Great Britain:
In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

Belgium:
Centre antipoisons
Telephone: 070 245 245
24H / 7D available

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.
Eye Dam. 1; H318 Causes serious eye damage.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements: H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
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/doctor.

Special labelling

Text for labelling: Contains: sodium percarbonate
Labelling for contents according to regulation (EC) No 648/2004, annex VII:
Contains:
- 5% or over but less than 15%: oxygen-based bleaching agents
- less than 5%: non-ionic surfactants, polycarboxylates
- Perfumes, enzymes (amylase, protease)

2.3 Other hazards

May form explosible dust-air mixture if dispersed.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

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Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 207-838-8 CAS 497-19-8	Sodium carbonate	50 - 60 %	Eye Irrit. 2; H319.
REACH 01-2119448725-31-xxxx EC No. 215-687-4 CAS 1344-09-8	Silicic acid, sodium salt	10 - 20 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.
EC No. 239-707-6 CAS 15630-89-4	Sodium percarbonate	10 - 15 %	Ox. Sol. 3; H272. Acute Tox. 4; H302. Eye Dam. 1; H318.

Full text of H- and EUH-statements: see section 16.

Additional information: Labelling for contents according to regulation (EC) No 648/2004, annex VII:

Contains:

- 5% or over but less than 15%: oxygen-based bleaching agents
- less than 5%: non-ionic surfactants, polycarboxylates
- Perfumes, enzymes (amylase, protease)

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
- In case of inhalation: Move victim to fresh air, provide oxygen as needed. Put victim at rest and keep warm. Seek medical attention if problems persist.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek the attention of an ophthalmologist immediately.
- After swallowing: Seek medical attention. Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting without medical assistance.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, extinguishing powder, foam, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

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5.2 Special hazards arising from the substance or mixture

May form explosible dust-air mixture if dispersed.
May form dangerous gases and vapours in case of fire. Furthermore, there may develop: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -

Cool endangered containers with water spray and, if possible, remove from danger zone.
Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Avoid dust formation. Do not breathe dust. Provide adequate ventilation.
Wear protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

Additional information: May form explosible dust-air mixture if dispersed.

With water: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Avoid dust formation. Do not breathe dust. When using do not eat, drink or smoke. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place.
Wear appropriate protective equipment. Keep unprotected people away.

Precautions against fire and explosion:

Usual measures for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Keep only in the original container.
Store at room temperature.

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Hints on joint storage: Keep away from strong acids.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

Type	Limit value
Belgium: Valeur Limité	10 mg/m ³ (Dust limit value, inhalable fraction)
Belgium: Valeur Limité	3 mg/m ³ (Dust limit value, respirable fraction)
Great Britain: WEL-TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
Great Britain: WEL-TWA	4 mg/m ³ (Dust limit value, respirable fraction)
Ireland: 8 hours	10 mg/m ³ (Dust limit value, inhalable fraction)
Ireland: 8 hours	4 mg/m ³ (Dust limit value, respirable fraction)

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Particulates filter P2 according to EN 143. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection: Protective gloves according to EN 374
Glove material: polychloroprene, Rubber or neoprene gloves
Layer thickness: >0.5 mm
Breakthrough time: 60 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Avoid dust formation. Do not breathe dust. Have eye wash bottle or eye rinse ready at work place. When using do not eat, drink or smoke. Wash hands before breaks and after work.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: solid Form: Powder Colour: white
Odour:	perfumed
Odour threshold:	No data available
pH value:	at 20 °C, 10%: 11.3
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	Not applicable
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	No data available
Water solubility:	soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

9.2 Other information

Bulk density: at 20 °C: 870.0 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Exothermic reactions with strong acids.

10.4 Conditions to avoid

Excessive heating. Protect from moisture contamination.

10.5 Incompatible materials

Strong acids

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10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

ATEmix (calculated): ATE > 5000 mg/kg.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Other information: Information about Sodium carbonate:

Acute oral toxicity: LD50, Rat: 2800 mg/kg

Acute inhalation toxicity: LC50, Rat: 2.3 mg/L/2h (OECD 403)

Acute dermal toxicity: LD50, Rabbit: > 2000 mg/kg

Information about Silicic acid, sodium salt:

Acute oral toxicity: LD50, Rat: > 2000 mg/kg

Acute inhalation toxicity: LC50, Rat: > 2060 mg/m³/4h

Acute dermal toxicity: LD50, Rat: > 5000 mg/kg

Information about sodium percarbonate:

Acute oral toxicity: LD50, Rat: 1034 mg/kg

Acute inhalation toxicity: LC50, Rat: >4.58 mg/L/1h

Acute dermal toxicity: LD50, Rabbit: > 2000 mg/kg (OECD 402)

Symptoms

After eye contact: In case of dust formation: irritation to respiratory tract

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SECTION 12: Ecological information

12.1 Toxicity

Further details: No data available

12.2 Persistence and degradability

Further details: The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 20 01 29* = Municipal wastes: Detergents containing hazardous substances
* = Evidence for disposal must be provided.

Recommendation: Do not dispose of with household waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Empty carefully and completely, if possible. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

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14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code:

-

No data available

National regulations - Belgium

No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word:

Danger

Hazard statements:

H318

Causes serious eye damage.

Precautionary Statements:

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P280

Wear protective gloves/eye protection/face protection.

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/doctor.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

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SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 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.

Abbreviations and acronyms:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- OEL: Occupational Exposure Limit Value
- AS/NZS: Australian Standards/New Zealand Standards
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EN: European Standard
- EU: European Union
- IATA: International Air Transport Association
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- STOT SE: Specific target organ toxicity - single exposure
- TLV: Threshold Limit Value
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

Date of first version: 2/4/2020

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

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Most recent product information is available at:
<http://sumdat.net/q973q4h2>

