according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

# Machine cleaner for dishwashers

Material number 00312477



# 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

Germany

 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:

BSH Hausgeräte Service GmbH Werkskundendienst für Hausgeräte

Leopoldstrasse 252 80807 München

E-mail: ersatzteile.de@bshg.com Telephone: 089 20 355 777

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

Belgium:

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

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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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.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any substances classified as PBT or vPvB.

# **SECTION 3: Composition/information on ingredients**

3.1 Substances: not applicable

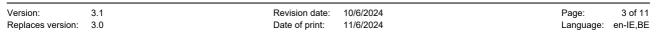
#### 3.2 Mixtures

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

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

# Machine cleaner for dishwashers

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Hazardous ingredients:

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

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

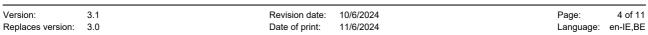
Suitable extinguishing media:

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

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

# Machine cleaner for dishwashers

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Extinguishing media which must not be used for safety reasons:

Full water jet

# 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 (NOx), 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: 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.

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#### 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.

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:

Туре	Limit value
Belgium: Limit value	10 mg/m³ (Dust limit value, inhalable fraction)
Belgium: Limit value	3 mg/m³ (Dust limit value, respirable fraction)
Ireland: 8 hours	10 mg/m³ (Dust limit value, inhalable fraction)
Ireland: 8 hours	4 mg/m³ (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 BS 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 BS EN ISO 16321-1:2022.

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.

# **Environmental exposure controls**

Refer to "6.2 Environmental precautions".

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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# **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa solid

Form: Powder

Colour: white
Odour: perfumed

Odour threshold: No data available No data available Melting point/freezing point: Initial boiling point and boiling range: No data available Flammability: No data available Upper/lower flammability or explosive limits: No data available Flash point/flash point range: Not applicable Decomposition temperature: No data available at 20 °C, 10%: 11.3 Viscosity, kinematic: No data available

Water solubility: soluble

Partition coefficient: n-octanol/water:

Vapour pressure:

No data available

No data available

No data available

No data available

Vapour density:

No data available

Particle characteristics:

No data available

9.2 Other information

Explosive properties:

No data available
Oxidizing characteristics:

No data available

Auto-ignition temperature:

Bulk density:

at 20 °C: 870.0 kg/m³

Evaporation rate:

No data available

No data available

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

#### 10.2 Chemical stability

Stable under recommended storage conditions.

# 10.3 Possibility of hazardous reactions

Exothermic reactions with strong acids.

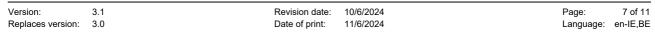
#### 10.4 Conditions to avoid

Excessive heating. Protect from moisture contamination.

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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#### 10.5 Incompatible materials

Strong acids

#### 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 hazard classes as defined in Regulation (EC) No 1272/2008

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.

### 11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information: Information about Sodium carbonate:

Acute oral toxicity: LD50, Rat: 2,800 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: > 2,000 mg/kg

Acute inhalation toxicity: LC50, Rat: > 2,060 mg/m³/4h Acute dermal toxicity: LD50, Rat: > 5000 mg/kg

Information about sodium percarbonate: Acute oral toxicity: LD50, Rat: 1,034 mg/kg Acute inhalation toxicity: LC50, Rat: >4.58 mg/L/1h

Acute dermal toxicity: LD50, Rabbit: > 2,000 mg/kg (OECD 402)

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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 Version:
 3.1
 Revision date:
 10/6/2024
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 Replaces version:
 3.0
 Date of print:
 11/6/2024
 Language:
 en-IE,BE

#### **Symptoms**

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

# **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

The product does not contain any substances classified as PBT or vPvB.

### 12.6 Endocrine disrupting properties

No data available

#### 12.7 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.

**Package** 

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.

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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# **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

# 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

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN

model regulations.

Marine pollutant: no

### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

# 14.7 Maritime transport in bulk according to IMO instruments

No data available

# **SECTION 15: Regulatory information**

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

National regulations - Belgium

No data available

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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# 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.

Further regulations, limitations and legal requirements:

No data available

#### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

# **SECTION 16: Other 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.

Reason of change: Changes in section 1: Material number

Date of first version: 2/4/2020

Department issuing data sheet:

see section 1: Department responsible for information

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Abbreviations and acronyms:

Acute Tox .: Acute toxicity

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

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 EQ: Excepted quantities EU: European Union Eye Dam.: Eye damage Eye Irrit.: Eye irritation

IATA: International Air Transport Association

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

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

OEL: Occupational Exposure Limit Value

OSHA: Occupational Safety and Health Administration

Ox. Sol.: Oxidising solids

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

Skin Irrit.: Skin irritation

STOT SE: Specific target organ toxicity - single exposure

TLV: Threshold Limit Value

TRGS: Technical Rules for Hazardous Substances vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit

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.

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

