

## SAFETY DATA SHEET

# SUN Maskinoppvaskpulver

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

##### Trade name

SUN Maskinoppvaskpulver

##### ▼ Product no.

510006278, 510006302

##### ▼ Unique formula identifier (UFI)

S5K1-YKKU-790X-YF0R

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

##### Relevant identified uses of the substance or mixture

Machine dishwashing

For private use

##### Uses advised against

None known.

#### 1.3. Details of the supplier of the safety data sheet

##### Company and address

**Orkla Home & Personal Care (HPC)**

Postboks 673 Skøyen

0214 Oslo

Norway

22 06 27 80

[www.orkla.no](http://www.orkla.no)

##### E-mail

[forbrukerservice@orkla.no](mailto:forbrukerservice@orkla.no)

##### Revision

03/12/2025

##### SDS Version

2.0

##### Date of previous version

29/09/2023 (1.0)

#### 1.4. Emergency telephone number

In case of emergency, call 112.

### SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP).

#### 2.1. Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

#### 2.2. Label elements

##### Hazard pictogram(s)



#### Signal word

Warning

#### Hazard statement(s)

Causes serious eye irritation. (H319)

#### Precautionary statement(s)

##### General

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

##### Prevention

Wash hands thoroughly after handling. (P264)

##### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

If eye irritation persists: Get medical advice/attention. (P337+P313)

##### ▼ Storage

Not applicable.

##### ▼ Disposal

Not applicable.

#### Hazardous substances

Not relevant.

#### Additional labelling

UFI: S5K1-YKKU-790X-YF0R

#### ▼ Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public)

>5% - <15%

· Oxygen-based bleaching Agents

< 5%

· Non-ionic surfactants

· Polycarboxylates

· Enzymes

#### 2.3. Other hazards

##### ▼ Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable. This product is a mixture.

#### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 REACH: 01-2119485498-19-XXXX Index No.: 011-005-00-2	>=25 - <50%	Eye Irrit. 2, H319	
Sodium percarbonate	CAS No.: 15630-89-4 EC No.: 239-707-6 REACH: 01-2119457268-30-XXXX Index No.:	>=5 - <15%	Ox. Sol. 2, H272 Acute Tox. 4, H302 (ATE: 1034.00 mg/kg) Eye Dam. 1, H318 (SCL: 25.00 %) Eye Irrit. 2, H319 (SCL: 7.50 %)	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Silicic acid, sodium salt	CAS No.: 1344-09-8 EC No.: 215-687-4 REACH: 01-2119448725-31-XXXX Index No.:	>=1 - <3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Get medical advice/attention if you feel unwell. Show this Safety Data Sheet to the medical personnel.

##### Inhalation

If feeling uncomfortable - seek fresh air.

##### Skin contact

Rinse with water.

##### Eye contact

Wash with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing.

##### Ingestion

Give a few small glasses of water or milk to drink. Get medical advice/attention if you feel unwell.

##### Burns

Not applicable.

#### 4.2. Most important symptoms and effects, both acute and delayed

Ingestion: Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting.

Skin contact: Prolonged skin contact may cause redness and irritation.

Eye contact: Causes serious eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

The product is not flammable. Thermal decomposition or combustion products may include the following substances:  
Harmful gases or vapours.

#### 5.3. Advice for firefighters

Avoid breathing fire gases or vapours. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. For personal protection, see Section 8.

#### 6.2. Environmental precautions

Contain spillage with sand, earth or other suitable non-combustible material. Avoid discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

### 6.3. Methods and material for containment and cleaning up

Small Spillages: Flush away spillage with plenty of water. Large Spillages: Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

### 6.4. Reference to other sections

See section 1 for emergency contact information.

For personal protection, see section 8.

For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes. For personal protection, see Section 8.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep containers upright. Store at room temperature.

#### Recommended storage material

Store in tightly-closed, original container.

#### Storage conditions

5 - 30°C

#### Incompatible materials

None known.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

Silicic acid, sodium salt

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	800 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1.59 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.38 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	5.61 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	800 µg/kg bw/day

sodium carbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	5 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>

Sodium percarbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	6.4 mg/cm <sup>2</sup>
Long term – Local effects - Workers	Dermal	12.8 mg/cm <sup>2</sup>

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Short term – Local effects - General population	Dermal	6.4 mg/cm <sup>2</sup>
Short term – Local effects - Workers	Dermal	12.8 mg/cm <sup>2</sup>
Long term – Local effects - Workers	Inhalation	5 mg/m <sup>3</sup>

#### PNEC

Silicic acid, sodium salt

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		7.5 mg/L
Intermittent release (freshwater)		7.5 mg/L
Marine water		1 mg/L
Sewage treatment plant		348 mg/L

Sodium percarbonate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		35 µg/L
Intermittent release (freshwater)		35 µg/L
Marine water		35 µg/L
Sewage treatment plant		16.24 mg/L

#### 8.2. ▼ Exposure controls

Apply general control to prevent unnecessary exposure

##### General recommendations

Keep container tightly sealed when not in use.

##### Exposure scenarios

There are no exposure scenarios implemented for this product.

##### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

##### Appropriate technical measures

No specific recommendations.

##### Hygiene measures

Wash hands with water as a precaution. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

##### Measures to avoid environmental exposure

No specific recommendations.

#### Individual protection measures, such as personal protective equipment

##### Generally

Use only CE marked protective equipment.

##### ▼ Respiratory Equipment

No specific requirements.

##### Skin protection

No specific requirements.

##### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
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Use normal plastic (vinyl) or rubber (nitrile, latex) gloves for prolonged and/or frequent contact with the product. People with sensitive skin

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
should always use work gloves.			
<b>Eye protection</b>			
Type	Standards		
Safety glasses	EN166		



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Powder

#### Colour

White

#### Odour / Odour threshold

Faint

#### pH

-

#### ▼ pH in solution

10,4 - 10,8 (1%)

#### ▼ Density (g/cm<sup>3</sup>)

0,96 - 1,16 (20 °C)

#### Kinematic viscosity

Not determined

#### Particle characteristics

No data available

#### Phase changes

##### Melting point/Freezing point (°C)

Not determined

##### Softening point/range (°C)

Does not apply to solids.

##### Boiling point (°C)

Not applicable

##### Vapour pressure

Not determined

#### ▼ Relative vapour density

Not determined

##### Decomposition temperature (°C)

Not determined

#### Data on fire and explosion hazards

##### Flash point (°C)

Not determined

##### Flammability (°C)

Not applicable

##### Auto-ignition temperature (°C)

Not applicable

##### Lower and upper explosion limit (% v/v)

Not applicable

#### Solubility

Solubility in water

Soluble

n-octanol/water coefficient (LogKow)

Not determined

Solubility in fat (g/L)

Not determined

#### 9.2. Other information

Evaporation rate (n-butylacetate = 100)

Not determined

Other physical and chemical parameters

No data available.

Oxidizing properties

Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### ▼ Acute toxicity

Product/substance	sodium carbonate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2800 mg/kg bw

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

#### ▼ Skin corrosion/irritation

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

#### Serious eye damage/irritation

Causes serious eye irritation.

#### ▼ Respiratory sensitisation

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

#### ▼ Skin sensitisation

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

#### ▼ Germ cell mutagenicity

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

#### ▼ Carcinogenicity

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

▼ **Reproductive toxicity**

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

▼ **STOT-single exposure**

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

▼ **STOT-repeated exposure**

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

▼ **Aspiration hazard**

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

▼ **Symptoms related to the physical, chemical and toxicological characteristics**

None known.

**11.2. Information on other hazards**

▼ **Endocrine disrupting properties**

This mixture contains no substance identified to have endocrine disrupting properties according to Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 nor is included in the Candidate List of substances of very high concern according to EU REACH Article 59 for having endocrine disrupting properties.

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

**Other information**

Ingestion: Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting.

Skin contact: Prolonged skin contact may cause redness and irritation.

Eye contact: Causes serious eye irritation.

**SECTION 12: Ecological information**

**12.1. ▼ Toxicity**

Product/substance	sodium carbonate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	300 mg/L

Product/substance	sodium carbonate
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	200 mg/L

Product/substance	sodium carbonate
Species:	Algae
Test:	EC50
Result:	10 mg/L

Product/substance	sodium carbonate
Species:	Fish
Duration:	96 hours
Test:	NOEC
Result:	560 mg/L

Product/substance	sodium carbonate
Species:	Algae
Test:	NOEC
Result:	1 mg/L

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### 12.2. ▼ Persistence and degradability

Product/substance sodium carbonate

Conclusion: The substance is inorganic. Biodegradation studies are not applicable.

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

#### 12.3. Bioaccumulative potential

The product is not bioaccumulating.

#### 12.4. Mobility in soil

The product is miscible with water and may spread in water systems.

#### 12.5. ▼ Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. ▼ Endocrine disrupting properties

This mixture contains no substance identified to have endocrine disrupting properties according to Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 nor is included in the Candidate List of substances of very high concern according to EU REACH Article 59 for having endocrine disrupting properties.

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### 13.1. ▼ Waste treatment methods

Waste is classified as hazardous waste.

Avoid discharge into drains.

##### ▼ EWC code

07 06

07 06 01\* Aqueous washing liquids and mother liquors

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR/ADN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

##### ▼ Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable.

#### 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

Restrictions for application

No special.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### ▼ Labelling of contents according to Detergents Regulation (EC) No 648/2004

Detergent labelling:

>5% - <15%

· Oxygen-based bleaching Agents

< 5%

· Non-ionic surfactants

· Polycarboxylates

· Enzymes

#### Product registration number

69411

#### Declaration of chemicals

If the product is imported or produced in more than 100 kg/year it is subject to registration in the Product Register because it is classified as hazardous.

#### Additional information

Not applicable.

#### Sources

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation of 15 May 2015 no. 541 on declaring chemicals to the product register (Declaration Regulations)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on

classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 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 Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

#### The safety data sheet is validated by

Senior Regulatory & Safety Manager

#### ▼ Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NO-en