

Safety Data Sheet

according to UK REACH Regulation

Dishwasher Powder

Revision date: 25.02.2025

Product code: 090

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

1.1. Product identifier

Dishwasher Powder

UFI: 4FK2-E0H0-7003-NGHA

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

Use of the substance/mixture

Dishwasher detergent for machine use

Uses advised against

Not known.

1.3. Details of the supplier of the safety data sheet

Company name:	Sodasan GmbH	
Street:	Rudolf-Diesel-Str. 19	
Place:	D-26670 Uplengen	
Telephone:	0495640720	Telefax: 04956407299
E-mail:	info@sodasan.com	
Contact person:	Frau Grätz	Telephone: 04956407234
E-mail:	mg@sodasan.com	
Internet:	www.sodasan.de	
Responsible Department:	QS	

1.4. Emergency telephone number: Gifftinformationszentrum-Nord (Universitätsmedizin Göttingen): 0551 19240 (24h)

Further Information

Not known.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Irrit. 2; H315

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Sodium percarbonate

Signal word: Danger**Pictograms:****Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container to gemäß den lokalen/regionalen Vorschriften der Entsorgung.

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P102	Keep out of reach of children.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P261	Avoid breathing Staub.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labelling of certain mixtures

EUH208	Contains Lemongrass oil ECOCERT compliant S0100075. May produce an allergic reaction. 1 - < 5 per cent of the mixture consists of component(s) of unknown acute toxicity (dermal). 1 - < 5 per cent of the mixture consists of component(s) of unknown acute toxicity (inhalation).
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2.3. Other hazards

Not known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
497-19-8	sodium carbonate	35 - < 40 %
	207-838-8	
	011-005-00-2	
	01-2119485498-19	
	Eye Irrit. 2; H319	
15630-89-4	Sodium percarbonate	10 - < 15 %
	239-707-6	
	01-2119457268-30	
	Ox. Liq. 3, Acute Tox. 4, Eye Dam. 1; H272 H302 H318	
	Nabion 26	10 - < 15 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
	Silicic acid, sodium salt	1 - < 5 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
	D-pentose oligomeric C5 alkyl glycosides (Appyclean)	1 - < 5 %
	Eye Irrit. 2; H319	
	Lemongrass oil ECOCERT compliant S0100075	< 1 %
	01-2120119366-58	
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 3; H315 H318 H317 H304 H412	

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
497-19-8	207-838-8	sodium carbonate	35 - < 40 %
		oral: LD50 = 4090 mg/kg	
15630-89-4	239-707-6	Sodium percarbonate	10 - < 15 %
		oral: ATE = 500 mg/kg	
		D-pentose oligomeric C5 alkyl glycosides (Appyclean)	1 - < 5 %
		inhalation: Data lacking (gases); dermal: Data lacking; oral: LD50 = >2000 mg/kg	

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious but breathing normally, place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.
After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: Solvents/Thinner.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

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

Not known.

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

Not known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Not known.

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Keep away from sources of ignition - No smoking. Ventilate affected area.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Safe handling: see section 7
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Other information

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed and suitable containers for disposal. Disposal: see section 13

Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Observe protective measures under sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists. When using do not eat, drink, smoke, sniff. Personal protection equipment: see section 8

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Advice on protection against fire and explosion

No special actions required. Follow normal chemical handling precautions.

Advice on general occupational hygiene

General hygiene measures. Do not eat, drink or smoke in work areas Wash hands after use Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

Hints on joint storage

Do not store together with: Oxidizing agent, Strong acid, Strong alkali

Further information on storage conditions

Follow the instructions for use on the label.

storage temperature of 15°C - 30°C.

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

7.3. Specific end use(s)

Dishwasher detergent for machine use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

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Eye/face protection

Wear eye protection/face protection.

Hand protection

Wear protective gloves. Replace when worn. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the wear time limits as specified by the manufacturer.

Skin protection

Overall (Natural fibres (e.g. cotton))

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values.
Use suitable breathing apparatus.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	solid
Colour:	white
Odour:	soapy, lemony

Flash point:		Test method
pH-Value (at 20 °C):	10,7 - 11,45 (1%)	DIN 53213
Density (at 20 °C):		DIN 53217
Bulk density (at 20 °C):	0,8 - 1,2 kg/m ³	

9.2. Other information**Other safety characteristics**

Solvent separation test: <3 % (Land transport (ADR/RID))

Further Information

Further physical-chemical data were not determined.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No reactions when handled properly.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No reactions when handled properly.

10.4. Conditions to avoid

Protect from moisture and water.

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition products

When used and stored as intended, no hazardous decomposition products are formed.

SECTION 11: Toxicological information

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11.1. Information on hazard classes as defined in GB CLP Regulation**Acute toxicity**

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
497-19-8	sodium carbonate				
	oral	LD50 mg/kg	4090	Rat	IUCLID
15630-89-4	Sodium percarbonate				
	oral	ATE mg/kg	500		
	D-pentose oligomeric C5 alkyl glycosides (Apyclean)				
	oral	LD50 mg/kg	>2000		
	dermal	Data lacking			
	inhalation	Data lacking			

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Sensitising effects

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

Contains Lemongrass oil ECOCERT compliant S0100075. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards**Endocrine disrupting properties**

The product does not contain any substance that has endocrine properties in humans.

Further information

There are no data available on the mixture itself.

Classification according to Regulation (EC) No 1272/2008 [CLP]

Reference to other sections: 2, 3

SECTION 12: Ecological information**12.1. Toxicity**

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50	300 mg/l	96 h	Lepomis macrochirus	
	Acute crustacea toxicity	EC50	265 mg/l	48 h	Daphnia magna	IUCLID
	D-pentose oligomeric C5 alkyl glycosides (Appyclean)					
	Acute crustacea toxicity	EC50	596,1 mg/l	48 h		

12.2. Persistence and degradability

The surfactants contained in this preparation meet the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 for detergents.

12.3. Bioaccumulative potential

No bioaccumulation potential.

12.4. Mobility in soil

No relevant data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No relevant data available.

Further information

There are no data available on the mixture itself.
 Classification according to Regulation (EC) No 1272/2008 [CLP]
 Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains.
 Recycle according to official regulations.

Contaminated packaging

Completely emptied packages can be recycled.
 Recycle according to official regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

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14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Directive 2004/42/EC on VOC in paints and varnishes: 0,1%

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Observe in addition any national regulations!

SECTION 16: Other information

Abbreviations and acronyms

Ox. Liq: Oxidising liquids
 Acute Tox: Acute toxicity
 Asp. Tox: Aspiration hazard
 Skin Irrit: Skin irritation
 Eye Dam: Eye damage
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 STOT SE: Specific target organ toxicity - single exposure
 Aquatic Chronic: Chronic aquatic hazard

Key literature references and sources for data

Regulations: Preparations Directive (1999/45/EG), last amended by Regulation (EG) No. 1907/2006
 Substances Directive (67/548/EEC), last amended by Directive 2009/2/EC REACH Regulation (EC) No. 1907/2006, last amended by Regulation (EU) No. 253/2011 CLP regulation 1272/2008 Internet
<http://www.baua.de> <http://www.arbeitssicherheit.de> <http://gestis.itrust.de>

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

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H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Lemongrass oil ECOCERT compliant S0100075. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Instruction/training of employees required for handling hazardous substances.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)