

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Maschinenreiniger für Waschmaschinen\_Art.nr. BSH21000\_Mat.nr. 00311610 /  
BSH22000\_Mat.nr. 00311611**

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

### 1.1. Product identifier

Maschinenreiniger für Waschmaschinen\_Art.nr. BSH21000\_Mat.nr. 00311610 / BSH22000\_Mat.nr. 00311611

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

#### Use of the substance/mixture

Washing machine cleaner

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

#### Manufacturer

Company name:	PMS Thomin GmbH	
Street:	Meckesheimer Str. 7/1	
Place:	D-74939 Zuzenhausen	
Telephone:	+49(0)6226-7893300	Telefax: +49(0)6226-7893399
e-mail:	info@pms-serviceprodukte.de	
Internet:	www.pms-serviceprodukte.de	
Responsible Department:	Frau Baschleben-Thomin +49(0)6226-7893366 info@pms-serviceprodukte.de während der Arbeitszeit erreichbar	

#### Supplier

Company name:	BSH Hausgeräte Service GmbH	
Street:	Carl-Wery-Str. 34	
Place:	D-81739 München	
Telephone:	+49 (0)89 20355777 (24h)	Telefax: +49 (0)89 20355744 (24h)
e-mail:	spareparts@bshg.com	
Responsible Department:	Herr Zobel +49(0)89-4590-3813 MCW-KDT-Gefahrstoffe@bshg.com während der Arbeitszeit erreichbar	

### 1.4. Emergency telephone number:

Giftnotrufnummer: +49(0)160-92250872 (24 h erreichbar)  
auskunft24@t-online.de

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard categories:  
 Skin corrosion/irritation: Skin Irrit. 2  
 Serious eye damage/eye irritation: Eye Dam. 1  
 Hazard Statements:  
 Causes skin irritation.  
 Causes serious eye damage.

### 2.2. Label elements

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

#### Hazardous components which must be listed on the label

sodium silicate  
sodium percarbonate

Signal word: Danger

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## Pictograms:



## 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.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Additional advice on labelling

Labelling for contents according to regulation (EC) No 648/2004, annex 7:  
5-15% oxygen-based bleaching agents. <5 % polycarboxylates , non-ionic surfactants , perfumes , enzymes (protease, amylase).

## 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
497-19-8	sodium carbonate			>30 %
	207-838-8	011-005-00-2		
	Eye Irrit. 2; H319			
1344-09-8	sodium silicate			15-30 %
	215-687-4			
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			
15630-89-4	sodium percarbonate			5-15 %
	239-707-6			
	Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Move victim out of danger zone.

#### After inhalation

Move victim out of danger zone. Rinse mouth thoroughly with water. Seek medical attention if problems persist.

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## After contact with skin

After contact with skin, wash immediately with: Water. In case of skin irritation, seek medical treatment.

## After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

## After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Consult physician.

## **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**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

#### **Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated: Gas/vapours, harmful.

### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Contaminated fire-fighting water must not get into the sewerage network.

## **SECTION 6: Accidental release measures**

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

Put on protection equipment and keep away unprotected persons.

Provide adequate ventilation.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Take up carefully when dry. Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid contact with skin and eyes. Avoiding dust formation. Wash hands before breaks and after work. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Keep/Store away from combustible materials.

#### **Advice on protection against fire and explosion**

No special precautionary measures are necessary.

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

#### **Requirements for storage rooms and vessels**

Store only in original container.

#### **Advice on storage compatibility**

Do not store together with: material, flammable. Keep away from strong acids, leachates, heavy metal salts and reducing materials.

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## Further information on storage conditions

Keep container tightly closed.

## 7.3. Specific end use(s)

Washing machine cleaner

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

Observe in addition any national regulations!

### 8.2. Exposure controls

#### Appropriate engineering controls

Do not breathe dust.

#### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

#### Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. DIN EN 165

#### Hand protection

Tested protective gloves are to be worn: Suitable material: PVC (Polyvinyl chloride). PE (polyethylene).  
German Industry Norms (DIN) / European Norms (EN): DIN EN 374

#### Skin protection

Body protection: not required.

#### Respiratory protection

Respiratory protection necessary at: Handling larger quantities. Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo

## SECTION 9: Physical and chemical properties

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

Physical state:	Powder
Colour:	white
Odour:	characteristic

#### Test method

pH-Value (at 20 °C):	10,9
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#### Changes in the physical state

Initial boiling point and boiling range:	No data available
Sublimation point:	No data available
Softening point:	No data available
Flash point:	not relevant

#### Flammability

Solid:	No data available
Gas:	No data available

Lower explosion limits:	not relevant
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Upper explosion limits:	not relevant
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Ignition temperature:	not relevant
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Bulk density:	ca. 870 kg/m <sup>3</sup>
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## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

No decomposition at storage as agreed and handling.

### 10.4. Conditions to avoid

Avoiding temperatures > 30° degrees Celsius and humidity.

### 10.5. Incompatible materials

Acid, concentrated.

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

#### Acute toxicity

There are no data available on the preparation/mixture itself.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
497-19-8	sodium carbonate				
	oral	LD50	4090 mg/kg	Rat	IUCLID
15630-89-4	sodium percarbonate				
	oral	LD50	2400 mg/kg	rat	ECHA

#### Irritation and corrosivity

Irritant effect on the eye: Risk of serious damage to eyes.

Irritant effect on the skin: Irritant.

Avoid contact with eyes.

#### Sensitising effects

No sensitizing effect confessed

#### Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

#### Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

## SECTION 12: Ecological information

### 12.1. Toxicity

Damaging effect by pH moving.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
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

### 12.2. Persistence and degradability

The Tenside used in the mixture correspond to the Detergenzienverordnung (no. 648/2004) and are degradable completely aerobically. The product doesn't contribute to the AOX value of the water.

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### 12.3. Bioaccumulative potential

On the basis of existing data about disposal/decomposition and bio-accumulation potential, long term environmental damage is unlikely.

### 12.4. Mobility in soil

No data available

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

#### **Contaminated packaging**

Completely emptied packings can be re-cycled.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Inland waterways transport (ADN)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Marine transport (IMDG)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### Air transport (ICAO)

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No-one

### 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

#### **National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

#### **Relevant H and EUH statements (number and full text)**

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Further Information**

The processing and application notes are on the technical leaflets to the products. The details are based on today's stand of our knowledge, they don't represent any assurance of product qualities, however, and don't justify any contractual facts of the case.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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