

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellentkalker_00311506/00311600_Quick Descaler

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

1.1. Product identifier

Schnellentkalker_00311506/00311600_Quick Descaler

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

Use of the substance/mixture

Quick Descaler for washing machines and dishwashers

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:

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Causes serious eye irritation.

May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



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Hazard statements

- H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash the hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of Water and soap.
P333+P313 If skin irritation or rash 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.
P337+P313 If eye irritation persists: Get medical advice/attention.

Additional advice on labelling

Labelling for contents according to regulation (EC) No 648/2004, annex 7: <5 % nonionic surfactants.

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]			
77-92-9	Citric acid			> 30 %
	201-069-1			
	Eye Irrit. 2; H319			
110-16-7	maleic acid			5-15 %
	203-742-5	607-095-00-3		
	Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H302 H319 H335 H315 H317			
68439-51-0	Alcohols, C12-14 ethoxylated propoxylated			< 5 %
	931-986-9		*	
	Aquatic Acute 1; H400			

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

Further Information

*Polymer

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing.

After inhalation

Following inhalation: Move victim to fresh air. Consult physician.

After contact with skin

After contact with skin, wash immediately with: Water. Seek medical attention if problems persist.

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After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

The following symptoms may occur:

Following eye contact: Irritation to eyes

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

Taking a note on surroundings fire.

The product itself does not burn.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide. Carbon monoxide

5.3. Advice for firefighters

No-one

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on protection equipment and keep away unprotected persons. Avoid contact with skin, eyes and clothes.

Do not breathe dust.

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 mechanically. Do not breathe dust.

6.4. Reference to other sections

Personal protection equipment: see section 8

Safe handling: see section 7

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

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.

Advice on protection against fire and explosion

The product is not: Combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Keep only in the original container.

Advice on storage compatibility

Do not store together with: Base. Oxidizing agents.

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7.3. Specific end use(s)

Quick Descaler for washing machines and dishwashers

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

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes. Avoiding dust formation.

Eye/face protection

Tightly sealed safety glasses.

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

Wear suitable protective clothing.

Respiratory protection

Respiratory protection necessary at: In the case of the formation of dust. particulates filter device (DIN EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Granulate
Colour:	light brown
Odour:	characteristic

Test method

pH-Value (at 20 °C):	not applicable
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Changes in the physical state

Density (at 20 °C):	1,4 - 1,5 g/cm ³
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9.2. Other information

Solid content:	100
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SECTION 10: Stability and reactivity

10.1. Reactivity

Materials to avoid: Alkalis (alkalis), concentrated.

10.2. Chemical stability

No decomposition at storage as agreed and handling.

10.3. Possibility of hazardous reactions

Reacts with strong alkalis under releasing heat

10.4. Conditions to avoid

moisture. heat.

10.5. Incompatible materials

Alkalis (alkalis), concentrated.

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Oxidizing agents, strong.

10.6. Hazardous decomposition products

No dangerous reactions at a correct storage and handling.

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 route	Dose	Species	Source
77-92-9	Citric acid			
	oral	LD50 5400 mg/kg	Ratte	REACH Registered S.
110-16-7	maleic acid			
	oral	ATE 500 mg/kg		

Irritation and corrosivity

Irritant effect on the eye: irritant.

Irritant effect on the skin: irritant.

Sensitising effects

To a repeated or longer persisting contact it can come to a sensitization.

SECTION 12: Ecological information

12.1. Toxicity

No environmental toxicological data available.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
77-92-9	Citric acid				
	Acute crustacea toxicity	EC50 160 mg/l	48 h		Gestis

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
77-92-9	Citric acid	-1,57

12.4. Mobility in soil

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

12.6. Other adverse effects

Damaging effect by pH moving.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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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)

14.1. UN number: No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special measures are necessary.

14.7. Transport in bulk according to Annex II of Marpol 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

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Further Information

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.

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