

# Safety Data Sheet

## Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: February 9, 2025

Version No.: 1.0

Revision: February 9, 2025

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

#### 1.1 Product identifier

##### Trade name:

Washing machine cleaner tablets

##### Other means of identification:

UFI code: No available data.

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

##### Relevant identified uses:

Consumer uses, detergent.

##### Uses advised against:

No available data.

##### Reason why uses advised against:

No available data.

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

• Head Office:  
26 Perivale Park  
Perivale, Middx, London  
UB6 7RL United Kingdom



• Tel: +44 (0)20 8991 6700  
Fax: +44 (0)20 8998 2300  
sales@sandsenterprises.co.uk  
www.imusthaveit.co.uk

#### Only Representative/other EU contact point:

No information available.

#### 1.4 Emergency telephone number

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### 2.1.1 Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Skin Irrit. 2, H315	Additivity approach
Eye Dam. 1, H318	Additivity approach
STOT SE 3, H335	Additivity approach

##### 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

#### 2.2 Label elements

##### Labeling according to Regulation (EC) No 1272/2008:

The product is labelled according to CLP Regulation.

##### Hazard pictograms:



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GHS05 GHS07

**• Signal word:**

Danger

**• Hazard-determining components of labelling:**

Citric acid

Sodium dodecyl sulphate

**• Hazard statements:**

H315 Causes skin irritation

H318 Causes serious eye damage

H335 May cause respiratory irritation

**• Precautionary statement:**

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P261 Avoid breathing dust.

P264 Wash hand and face thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**• Supplemental label elements:**

EUH208: Contains protease. May produce an allergic reaction.

**• Regulation 648/2004 on Detergents:**

15-30%: anionic surfactants

5-15%: oxygen-based bleaching agents

Enzymes

**• 2.3 Other hazards**None of the ingredients ( $\geq 0.1\%$ ) meets the criteria for PBT/vPvB in accordance with Annex XIII.None of the ingredients ( $\geq 0.1\%$ ) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

### SECTION 3: Composition/information on ingredients

**• 3.2 Mixtures****• Description of the mixture:**

Washing machine cleaner tablets.

**Ingredients:**

Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Citric acid	77-92-9	607-750-00-3	201-069-1	46	Eye Irrit. 2, H319 STOT SE 3, H335	-
Sodium carbonate	497-19-8	011-005-00-2	207-838-8	25.5	Eye Irrit. 2, H319	-
Sodium dodecyl sulphate	151-21-3	-	205-788-1	15	Flam. Sol. 2, H228 Acute Tox. 4, H302	ATE (oral)= 1228 mg/kg

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					Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412	
Silicic acid, sodium salt	1344-09-8	-	215-687-4	8	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Sodium percarbonate	15630-89-4	-	239-707-6	5	Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	ATE (oral)=1034 mg/kg Eye Dam. 1, H318: C $\geq$ 25% Eye Irrit. 2, H319: 7.5% $\leq$ C <25%
Protease	9014-01-1	647-012-00-8	232-752-2	0.5	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	ATE (oral)=1800 mg/kg M=1

**Additional information:**

Full text of H- and EUH-statements, see SECTION 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General notes:**

Get medical attention if you feel unwell.

**Following inhalation:**

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE/doctor if you feel unwell.

**Following skin contact:**

Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

**Following eye contact:**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/doctor.

**Following ingestion:**

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

**Self-protection of the first aider:**



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**Trade Name:** Washing machine cleaner tablets*Wear disposable, latex free gloves.***• 4.2 Most important symptoms and effects, both acute and delayed:***Acute and delayed effects are as indicated in sections 2 and 11.***• 4.3 Indication of any immediate medical attention and special treatment needed:***Treat according to symptom, there is not known specific medicine.***SECTION 5: Fire-fighting measures****• 5.1 Extinguishing media****• Suitable extinguishing agents:***The product is not flammable.**Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.***• Unsuitable extinguishing media:***No known unsuitable extinguishing media.***• 5.2 Special hazards arising from the substance or mixture****• Hazardous combustion products:***May produce corrosive dust in air.***• 5.3 Advice for firefighters****• Protective equipment:***Wear self-contained breathing apparatus for firefighting.***SECTION 6: Accidental release measures****• 6.1 Personal precautions, protective equipment and emergency procedures****• 6.1.1 For non-emergency personnel****• Protective equipment:***Protective gloves/ eye protection/face protection.**Use respiration protection.***• Emergency procedures:***Ensure good ventilation.**Wear protective gloves/ protective clothing/ eye protection/ face protection and respiration protection.**Avoid contact with skin and eyes.**Avoid release to the environment.**Avoid breathing dust.***• 6.1.2 For emergency responders****• Personal protective equipment:***Protective gloves/protective clothing/eye protection/face protection and respiration protection.***• 6.2 Environmental precautions:***Prevent further leakage or spillage if safe to do so.**Prevent spillage from entering drains, sewer, basement or confined areas.**If the spillage contaminates rivers, lakes or drains inform respective authorities.***• 6.3 Methods and material for containment and cleaning up**

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**Trade Name:** Washing machine cleaner tablets**• 6.3.1 For containment:***Bunding, covering of drains.***• 6.3.2 For cleaning up:***Use any feasible mechanical means (e.g. vacuum, sweeping) but avoid dusting during clean-up.**Ensure well ventilation.***• 6.3.3 Other information:***Dispose contaminated material as waste according to section 13.***• 6.4 Reference to other sections:***See section 7 for information on safe handling.**See section 8 for information on personal protection equipment.**See section 13 for disposal information.*

### SECTION 7: Handling and storage

**• 7.1 Precautions for safe handling:****• Protective measures:***Wear protective gloves/ eye protection/ face protection/ respiration protection.**Avoid breathing dust.**Avoid contact with skin and eyes.**Avoid release to the environment.***• Measures to prevent fire:***Normal measures for preventive fire protection.***• Measures to prevent aerosol and dust generation:***Ensure well ventilation at workplace.***• Measures to protect the environment:***Avoiding spills or keeping away from drains.***• Advice on general occupational hygiene:***Wear protective gloves/ eye protection/ face protection/ respiration protection.***• 7.2 Conditions for safe storage, including any non-compatibility****• Technical measures and storage conditions:***Store in a dry and well-ventilated place.***• Packaging materials:***Use the same material as original container.***• Requirements for storage rooms and vessels:***Keep out of reach of children.***• Storage class:***13.***• Further information on storage conditions:***Store locked up.***• 7.3 Specific end use(s)****• Recommendations:***See section 1.2.***• Industrial sector specific solutions:**

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No further requirements.

### SECTION 8: Exposure controls/personal protection

#### • 8.1 Control parameters

#### • Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value - Short term
77-92-9 Citric acid		
Germany (DFG)	2 mg/m <sup>3</sup> Inhalable fraction and vapour	4 mg/m <sup>3</sup> Inhalable fraction and vapour; 15 minutes average value
497-19-8 Sodium carbonate		
Romania	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup> 15 minutes average value
9014-01-1 Protease		
Belgium	0.00006 mg/m <sup>3</sup>	-
Denmark	0.00006 mg/m <sup>3</sup>	0.00006 mg/m <sup>3</sup>
Ireland	0.00006 mg/m <sup>3</sup>	0.00006 mg/m <sup>3</sup> 15 minutes reference period
Spain	-	0.00006 mg/m <sup>3</sup>
Sweden	1 mg/m <sup>3</sup> glycine unit/m <sup>3</sup>	3 mg/m <sup>3</sup> glycine unit/m <sup>3</sup> 15 minutes average value
United Kingdom	0.00004 mg/m <sup>3</sup>	-

#### • DNELs:

DNEL type		DNEL worker value	DNEL consumer value
497-19-8 Sodium carbonate			
Local Effects	Long-term, inhalation exposure	10 mg/m³	5 mg/m³
151-21-3 Sodium dodecyl sulphate			
Systemic effects	Long-term, inhalation exposure	285 mg/m³	85 mg/m³
	Long-term, dermal exposure	4 060 mg/kg bw/day	2 440 mg/kg bw/day
	Long-term, oral exposure	-	24 mg/kg bw/day
1344-09-8 Silicic acid, sodium salt (molar ratio: 1.8)			
Systemic effects	Long-term, inhalation exposure	5.61 mg/m³	1.38 mg/m³
	Long-term, dermal exposure	1.59 mg/kg bw/day	800 µg/kg bw/day
	Long-term, oral exposure	-	800 µg/kg bw/day

#### • PNECs:

PNEC type	Value
151-21-3 Sodium dodecyl sulphate	
Freshwater	176 µg/L
Intermittent releases (freshwater)	55 µg/L
Marine water	17.6 µg/L
Sewage treatment plant (STP)	1.35 mg/L
Sediment (freshwater)	6.97 mg/kg sediment dw
Sediment (marine water)	697 µg/kg sediment dw
Soil	1.29 mg/kg soil dw
1344-09-8 Silicic acid, sodium salt (molar ratio: 1.8)	
Freshwater	7.5 mg/L
Intermittent releases (freshwater)	7.5 mg/L



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Marine water	1 mg/L
Sewage treatment plant (STP)	348 mg/L

**Additional information:**

The lists valid during the marking were used as basis.

**8.2 Exposure controls**

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

**8.2.1 Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities.

**8.2.2. Personal protection equipment****Eye/face protection:****Safety glasses**

Protective goggles with side-shields.

**Skin protection****Hand protection:****Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

**Other skin protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Face protection****Safety boots****Safety overalls**

Face shield, gauntlets, boots, bodysuit are recommended.

**Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

**Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

**8.2.3 Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

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### SECTION 9: Physical and chemical properties

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

• Physical state	Solid
• Color	White
• Odor & Odor threshold	Odorless
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	Not determined
• Flammability	Not flammable solid.
• Lower and upper explosion limit	Not applicable
• Flash point	Not applicable
• Auto-ignition temperature	Not applicable
• Decomposition temperature	Not determined
• pH	Not determined
• Kinematic viscosity (mm <sup>2</sup> /s)	Not applicable
• Solubility	Not determined
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not applicable
• Density and/or relative density	Not determined
• Relative vapor density	Not applicable
• Particle characteristics	Not determined

#### • 9.2 Other information

##### • 9.2.1 Information with regard to physical hazard classes:

• Explosives	Not applicable
• Flammable gases	Not applicable
• Aerosols	Not applicable
• Oxidising gases	Not applicable
• Gases under pressure	Not applicable
• Flammable liquids	Not applicable
• Flammable solids	Not applicable
• Self-reactive substances and mixtures	Not applicable
• Pyrophoric liquids	Not applicable
• Pyrophoric solids	Not applicable
• Self-heating substances and mixtures	Not applicable
• Substances and mixtures, which emit flammable gases in contact with water	Not applicable
• Oxidizing liquids	Not applicable
• Oxidizing solids	Not applicable
• Organic peroxides	Not applicable
• Corrosive to metals	Not applicable
• Desensitised explosives	Not applicable

##### • 9.2.2 Other safety characteristics

• Mechanical sensitivity	Not applicable
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• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not applicable
• Evaporation rate	Not applicable
• Miscibility	Not applicable
• Conductivity	Not applicable
• Corrosiveness	Not applicable
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable
• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

#### SECTION 10: Stability and reactivity

##### • 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

##### • 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

##### • 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

##### • 10.4 Conditions to avoid:

High temperature.

##### • 10.5 Incompatible materials:

Strong oxidizing agent and acids.

##### • 10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

#### SECTION 11: Toxicological information

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

##### • Acute toxicity:

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

Species	Effective Dose	Results	Method/Source
77-92-9 Citric acid			
Rat	LD50-oral	3 g/kg	Oyo Yakuri. Pharmacometrics., 43(561), 1992.
Rat	LD50-dermal	>2000 mg/kg	ECHA registered dossier.
Mouse	LD50-oral	5040 mg/kg	Takeda Kenkyusho Ho. Journal of the Takeda Research Laboratories., 30(25), 1971.
497-19-8 Sodium carbonate			
Rat	LD50-oral	4090 mg/kg	Toxicological Data, compiled by the National Institute of Health (NIH),

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			USA, selected and distributed by Technical Database Services (TDS), New York, 2009.
Mouse	LD50-oral	6600 mg/kg	Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases., 20(11)(55), 1976.
Mouse	LC50-inhalation	1200 mg/m <sup>3</sup> /2H	Environmental Research., 31(138), 1983 [PMID:6851978].
Guinea pig	LC50-inhalation	800 mg/m <sup>3</sup> /2H	Environmental Research., 31(138), 1983 [PMID:6851978].
Rabbit	LD50-dermal	>2000 mg/kg	ECHA registered dossier.
151-21-3 Sodium dodecyl sulphate			
Rat	LD50-oral	1290 mg/kg	Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.
Rat	LC50-inhalation	>3900 mg/m <sup>3</sup> /1H	BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., 23-3/1971.
Rat	LD50-dermal	>2000 mg/kg	ECHA registered dossier.
Rabbit	LD50-dermal	580 mg/kg	Henkel KGaA Duesseldorf [IUCLID 2000]

• **Skin corrosion/irritation:**

Causes skin irritation.

• **Serious eyes damage/irritation:**

Causes serious eye damage.

• **Respiratory or skin sensitization:**

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

• **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:**

May cause respiratory irritation.

• **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**

• **11.2.1 Endocrine disrupting properties:**

None of the ingredients (≥0.1%) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• **11.2.2 Other information:**

No known other relevant information on adverse health effects.

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#### SECTION 12: Ecological information

##### • 12.1 Toxicity:

Species	Effect dose	Test duration	Value
77-92-9 Citric acid			
<i>Leuciscus idus melanotus</i>	LC50	48h	440 mg/L
<i>Daphnia magna</i>	LC50	24h	1535 mg/L
Freshwater algae	NOEC	8d	425 mg/L
497-19-8 Sodium carbonate			
<i>Lepomis macrochirus</i>	LC50	96h	300 mg/L
<i>Ceriodaphnia sp.</i>	EC50	48h	200 - 227 mg/L
151-21-3 Sodium dodecyl sulphate			
<i>Pimephales promelas</i>	LC50	96h	29 mg/L
<i>Cyprinodon variegatus</i>	LC50	96h	4.1 mg/L
<i>Pimephales promelas</i>	NOEC	42d	≥1.36 mg/L
<i>Ceriodaphnia dubia</i>	EC50	48h	5.55 mg/L
<i>Artemia salina</i>	LC50	48h	3.15 mg/L
<i>Desmodesmus subspicatus</i>	EC50	72h	120 mg/L
<i>Desmodesmus subspicatus</i>	NOEC	72h	30 mg/L

##### • 12.2 Persistence and degradability:

CAS	Substance	Biodegradation	Hydrolysis
77-92-9	Citric acid	97%(28d)	-
151-21-3	Sodium dodecyl sulphate	95%(28d)	-

##### • 12.3 Bio-accumulative potential:

CAS	Substance	Log Pow	BCF
77-92-9	Citric acid	-1.6	3.2
497-19-8	Sodium carbonate	-6.19	-
151-21-3	Sodium dodecyl sulphate	-2.03	-

##### • 12.4 Mobility in soil:

CAS	Substance	Surface tension (mN/m)	Log Koc
77-92-9	Citric acid	-	3.18
151-21-3	Sodium dodecyl sulphate	25.2 (1 g/l, 23°C)	2.5

##### • 12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances (≥0.1%) that are assessed to be a PBT or a vPvB.

##### • 12.6 Endocrine disrupting properties:

None of the ingredients (≥0.1%) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

##### • 12.7 Other adverse effects:

No known other adverse effects.

##### • 12.8 Additional ecological information

##### • General notes:



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WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

#### SECTION 13: Disposal consideration

##### • 13.1 Waste treatment methods

##### • Recommendation:

Must not be disposed together with household garbage.

##### • 13.2 Un-cleaned packaging

##### • Recommendation:

Dispose of contents/container in according to the local/regional/national/ international regulation.

#### SECTION 14: Transport information

##### • 14.1 UN number or ID number

• ADR/ADN/RID (2023 Edition)	Not applicable/Not regulated, this product is not subject to ADR/ADN/RID.
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• IATA-DGR (66th)	Not applicable/Not regulated, this product is not subject to IATA-DGR.
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• IMO/IMDG (41-22)	Not applicable/Not regulated, this product is not subject to IMO/IMDG code.
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##### • 14.2 UN proper shipping name

• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
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• IMO/IMDG (41-22)	Not applicable/Not regulated
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• IATA-DGR (66th)	Not applicable/Not regulated
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##### • 14.3 Transport hazard class (es)

• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
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• IMO/IMDG (41-22)	Not applicable/Not regulated
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• IATA-DGR (66th)	Not applicable/Not regulated
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##### • 14.4 Packing group

• ADR/ADN/RID (2023Edition)	Not applicable/Not regulated
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• IMO/IMDG (41-22)	Not applicable/Not regulated
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• IATA-DGR (66th)	Not applicable/Not regulated
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##### • 14.5 Environmental hazards

• Environmentally hazardous (ADR/ADN/RID)	No
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• Marine Pollutants (Yes/No)	No
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• Special mark (ADR/ADN/RID)	No
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##### • 14.6 Special precautions for user

• Danger code (Kemler)	Not applicable/Not regulated
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• EMS number	Not applicable/Not regulated
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• 14.7 Maritime transport in bulk according to IMO instruments	Not applicable/Not regulated
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#### SECTION 15: Regulatory information

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

##### • MAK (German Maximum Workplace Concentration):

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None of the ingredients is listed.

• **Directive 2012/18/EU**

• **Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

• **Seveso category:**

Not applicable

• **Qualifying quantity (tonnes) for the application of lower-tier requirements:**

Not applicable

• **Qualifying quantity (tonnes) for the application of upper-tier requirements:**

Not applicable

• **National regulations.**

• **Water hazard class:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

• **Other regulations, limitations and prohibitive regulations**

• **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients is listed.

• **REACH Regulation Annex XVII Restriction:**

None of the ingredients is listed.

• **REACH Regulation Annex XIV Authorization List:**

None of the ingredients is listed.

• **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

#### SECTION 16: Other information

• **16.1 Indication of changes:**

None.

• **16.2 Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Flam. Sol. 1: Flammable solids, hazard category 1

Ox. Sol. 2: Oxidising solids, hazard category 2

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**Trade Name:** Washing machine cleaner tablets*Acute Tox. 4: Acute toxicity, hazard category 4**Skin Irrit. 2: Skin corrosion/irritation, hazard category 2**Eye Dam. 1: Eye damage/irritation, hazard category 1**Eye Irrit. 2: Eye damage/irritation, hazard category 2**Resp. Sens. 1: Respiratory sensitization, hazard category 1**STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3**Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1**Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3***• 16.3 Key literature references and sources for data:**<https://echa.europa.eu/><https://chem.nlm.nih.gov/><https://www.osha.gov/><http://www.unece.org/><http://www.imo.org/><https://www.dguv.de/><https://epa.govt.nz/><http://www.ilo.org/><https://www.phmsa.dot.gov/>**• 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:***See section 2.1 (classification).***• 16.5 Relevant H- and EUH-phrases (number and full text):***H228 Flammable solid**H272 May intensify fire; oxidizer**H302 Harmful if swallowed**H315 Causes skin irritation**H318 Causes serious eye damage**H319 Causes serious eye irritation**H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled**H335 May cause respiratory irritation**H400 Very toxic to aquatic life**H412 Harmful to aquatic life with long lasting effects***• 16.6 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

**• 16.7 Further information:**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

**DISCLAIMER OF LIABILITY:**

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**Safety Data Sheet**  
**Regulation (EC) No. 1907/2006 and 1272/2008**

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*End of safety data sheet*