

TRO WC-Tabs

Version number: 6
Issued: 2021-12-20
Replaces SDS: 2019-05-15



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

1.1. Product identifier

Trade name

TRO WC-Tabs

UFI code

07MY-SA9C-XM13-VDMA

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

Relevant identified uses

Toilet cleaning tablet and descaler for professional users.

Not suitable for use in

All other uses are discouraged.

1.3. Details of the supplier of the safety data sheet

Supplier

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10
32120 Hiddenhausen
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

Contact person

Regulatory Affairs

Email address

info@budich.de

1.4. Emergency telephone number

+49 (0)551 - 19240 (GIZ-Nord)

Available outside office hours

Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Skin irritation, hazard category 2

Eye irritation, hazard category 2

Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H315, H319, H412

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear eye protection.

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.

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

P501 Dispose of contents/container to an authorised waste collection point.

2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Note
Sulphamidic acid	5329-14-6 226-218-8 01-2119488633-28-xxxx 016-026-00-0	50 - 80%	Aquatic Chronic 3, Skin Irrit. 2, Eye Irrit. 2	H315, H319, H412 - -	-
Sodium carbonate	497-19-8 207-838-8 01-2119485498-19-xxxx 011-005-00-2	10 - 20%	Eye Irrit. 2	H319 - -	-
Sodium percarbonate	15630-89-4 239-707-6 01-2119457268-30-xxxx -	1 - 5%	Ox. Sol. 3, Eye Dam. 1, Acute Tox. 4 - oral	H272, H302, H318 - -	Eye Dam. 1 > 25 % Eye Irrit. 2 >= 7,5 % -< 25 %
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl	90622-77-8 292-481-0 01-2119489413-33-xxxx -	1 - <3%	Eye Dam. 1, Aquatic Chronic 2, Skin Irrit. 2	H315, H318, H411 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.

Inhalation

Not applicable.

Skin contact

Wash off with soap and water. In the case of skin irritation or allergic reactions see a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

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Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician if necessary.

Information for doctors

Show this safety data sheet to the doctor in attendance. For specialist advice physicians should contact the Poisons Information Service.

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

Immediate effects can be expected after long-term exposure.

Inhalation

Not applicable.

Skin contact

Skin rashes, Skin irritation

Eye contact

Eye irritation, cloudy / blurred field of vision, excessive lachrymation

Ingestion

Nausea, vomiting, stomach/intestinal disorders

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

Water spray, extinguishing powder, foam or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid direct contact with the material / product.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment. Dispose of as hazardous waste in compliance with local and national regulations.

6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid direct contact with the material / product. Wear personal protective equipment.

General hygiene

When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry, cool place. Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 13 (non-combustible solids)

Store in original container.

Storage temperature: 10°C to 40°C

7.3. Specific end use(s)

See section 1.2: Toilet cleaning tablet and descaler

All other uses are discouraged.

PC35 - Washing and cleaning products (including solvent based products)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Sulphamidic acid (5329-14-6/226-218-8)	DNEL	Chronic (long term) Inhalation	70.5 mg/m ³	Workers	Systemic
Sodium percarbonate (15630-89-4/239-707-6)	DNEL	Acute (short term) Inhalation	12.8 mg/cm ²	Workers	Local
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl (90622-77-8/292-481-0)	DNEL	Chronic (long term) Dermal	4.16 mg/kg	Workers	Systemic
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl (90622-77-8/292-481-0)	DNEL	Chronic (long term) Inhalation	21.73 mg/m ³	Workers	Systemic
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl (90622-77-8/292-481-0)	DNEL	Chronic (long term) Oral	6.25 mg/kg	Consumers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Marine water	0.18 mg/l
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Sewage Treatment Plant	20 mg/l
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Sediment (marine water)	0.84 mg/kg
sulphamidic acid (5329-14-6/226-218-8)	PNEC	Soil	5 mg/kg
Sodium percarbonate (15630-89-4/239-707-6)	PNEC	Marine water	0.035 mg/l
Sodium percarbonate (15630-89-4/239-707-6)	PNEC	Sewage Treatment Plant	16.24 mg/l
Amides, C12-18(even-numbered) and C18(unsatd.), N- hydroxyethyl (90622-77-8/292-481-0)	PNEC	Marine water	0.0007 mg/l
Amides, C12-18(even-numbered) and C18(unsatd.), N- hydroxyethyl (90622-77-8/292-481-0)	PNEC	Sewage Treatment Plant	830 mg/l

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl (90622-77-8/292-481-0)	PNEC	Sediment (marine water)	0.12 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Not required.

Eye / face protection

Chemical-resistant safety glasses with side protection (EN 166)

Hand protection

Chemical-resistant protective gloves (EN 374)

Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Thermal hazards

Not applicable.

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Tablet

Colour

3 phases (white, blue, green)

Odour

sea breeze

Melting point / freezing point

Not applicable.

Boiling point or initial boiling point and boiling range

Not applicable.

According to Regulation (EC) No 1907/2006

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Flammability

Not applicable.

Lower and upper explosion limit

The product / mixture has no explosive properties.

Flash point

No data available

Auto-ignition temperature

Not applicable.

Decomposition temperature

No data available

pH

1.5 - 2

Method

1 % aqueous solution

Kinematic viscosity

Not applicable.

Viscosity, dynamic

No information available

Solubility

Water soluble

Water solubility

completely soluble

Partition coefficient n-octanol/water

No information available

Vapour pressure

Not applicable.

Density and/or relative density

No information available

Relative density

No information available

Relative vapour density

Not applicable.

Evaporation Rate

Not applicable.

According to Regulation (EC) No 1907/2006

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Explosive properties

The product / mixture has no explosive properties.

Oxidising properties

The product / mixture has no oxidizing properties.

VOC %

< 3 %

9.2. Other information

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use.

10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Protect from moisture. Protect from frost, heat and sunlight.

10.5. Incompatible materials

Oxidizing agent , strong acids and strong bases

10.6. Hazardous decomposition products

For information on combustion products, see Section 5.
 Hazardous decomposition products formed under fire conditions.

SECTION 11: Toxicological information

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

Toxicology data for the components .

Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Remarks
sulphamidic acid 5329-14-6 / 226-	LD50	2.140 mg/kg	Oral	rat	ECHA

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Remarks
218-8					
sodium carbonate 497-19-8 / 207-838-8	LD50	2.800 mg/kg	Oral	rat	-
Sodium percarbonate 15630-89-4 / 239-707-6	LD50	1.034-2.000 mg/kg	Oral	rat	-
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl 90622-77-8 / 292-481-0	LD50	> 5.000 mg/kg	Oral	rat	-

Skin corrosion/irritation

Skin irritation, hazard category 2

Serious eye damage/irritation

Eye irritation, hazard category 2

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Genotoxicity

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

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

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Aspiration hazard

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

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

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

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

No information available

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sulphamidic acid 5329-14-6 / 226-218-8	LC50	70,3 mg/l	96 h	Pimephales promelas	OECD 203	ECHA
sodium carbonate 497-19-8 / 207-838-8	LC50	300 mg/l	96h	Lepomis macrochirus	-	-
Sodium percarbonate 15630-89-4 / 239-707-6	LC50	70,7 mg/l	96 h	Pimephales promelas	-	-
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl 90622-77-8 / 292-481-0	LC50	>10-100 mg/l	-	Brachydanio rerio (zebra fish)	DIN EN ISO 7346-2	-

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Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sulphamidic acid 5329-14-6 / 226-218-8	LC50	33,8 mg/l	72 h	Desmodesmus subspicatus	OECD 201	ECHA
Sodium percarbonate 15630-89-4 / 239-707-6	EC50	2,5 mg/l	-	C. vulgaris	-	-
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl 90622-77-8 / 292-481-0	EC50	>1-10 mg/l	-	Desmodesmus subspicatus	OECD 201	-

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
sulphamidic acid 5329-14-6 / 226-218-8	EC50	71,6 mg/l	48 h	Daphnia magna	OECD 202	ECHA
sodium carbonate 497-19-8 / 207-838-8	EC50	200-227 mg/l	48h	Ceriodaphnia dubia	-	-
Sodium percarbonate 15630-89-4 / 239-707-6	EC50	4,9 mg/l	48 h	Daphnia magna (Water flea)	-	-
Amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl 90622-77-8 / 292-481-0	EC50	>10-100 mg/l	-	Daphnia magna (Water flea)	OECD 202	-

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12.2. Persistence and degradability

Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential

No information available

12.4. Mobility in soil

Mobility

No information available

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

12.7. Other adverse effects

Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging: Dispose of as unused product.

Waste code	Description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

UN 2967

According to Regulation (EC) No 1907/2006

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14.2. UN proper shipping name

SULPHAMIC ACID

IMDG proper shipping name

SULPHAMIC ACID

14.3. Transport hazard class(es)

Label



8

ADR / RID Class

8

ADR / RID Classification code

C2

ADR / RID hazard identification number

80

IMDG Class

8

IATA Class

8

ADN Class

8

ADN Class Code

C2

14.4. Packing group

III

14.5. Environmental hazards

Environmental hazards

-

IMDG Marine Pollutant

No

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

According to Regulation (EC) No 1907/2006

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Other

Additional information ADR-RID

LQ: 5kg

EQ: E1

Transport category (tunnel restriction code) : 3 (E)

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: < 5 % oxygen-based bleaching agents, anionic surfactants, non-ionic surfactants. Contains: perfumes.

Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: No

Substance restrictions according to Annex XVII: No

Substances on the REACH candidate list (SVHC): No

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

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: Not applicable.

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: Not applicable.

Notifiable raw materials according to Annex II: Not applicable.

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: Not applicable.

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: No

Directive 2012/18/EU (Seveso III)

Seveso hazard category: Not applicable.

National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

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Abbreviations

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR - Accord relatif au transport international des marchandises Dangereuses par Route
CAS - Chemical Abstract Service
CLP - Classification, Labelling and Packaging
DMEL - Derived Minimum Effect Level
DNEL - Derived no effect level
EC50 - Half maximal effective concentration 50%
GHS - Globally Harmonised System
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Lethal concentration 50%
LD50 - Lethal dosis 50 %
MARPOL - International Convention for the Prevention of Pollution from Ships
PBT - Persistent, bioaccumulative and toxic substance
PEC - Predicted Environmental Concentration
PNEC - predicted no effect concentration
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses
SVHC - Substance of very high concern
vPvB - Very persistent, very bioaccumulative substance

References to key literature and data sources

REACH registration dossiers
ECHA C&L - Inventory
Safety data sheets from raw material suppliers

Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:
Health hazards: calculation method
Environmental hazards: calculation method

Phrase meaning

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
Skin Irrit. 2 - Skin irritation, hazard category 2
Eye Irrit. 2 - Eye irritation, hazard category 2
Ox. Sol. 3 - Oxidising solids, hazard category 3
Eye Dam. 1 - Serious eye damage, hazard category 1
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

According to Regulation (EC) No 1907/2006

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Other

Additional information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Manufacturer's notes

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.