

# Sept

Version number: 6  
Issued: 2022-03-16  
Replaces SDS: 2020-12-15



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PURGATIS

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

### 1.1. Product identifier

**Trade name**

Sept

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

**Relevant identified uses**

Laundry booster for professional users.

### 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@kleen-purgatis.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

Eye irritation, hazard category 2

Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

Hazardous to the aquatic environment — Chronic hazard category 1

#### Hazard statements

H319, H335, H410

#### Supplemental hazard statements

EUH031

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

#### Supplemental hazard statements

EUH031 Contact with acids liberates toxic gas.

#### Precautionary statements

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

P261 Avoid breathing dust.

P264 Wash hands thoroughly after handling.

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.

P312 Call a POISON CENTER/doctor if you feel unwell.

P391 Collect spillage.

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

### 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-phrase M factor acute M factor chronic	Note
Troclosene sodium, dihydrate	51580-86-0 220-767-7 01-2119489371-33-xxxx 613-030-01-7	30 - 50%	Acute Tox. 4 - oral, Eye Irrit. 2, STOT SE 3 - resp. tract irrit., Aquatic Acute 1, Aquatic Chronic 1	H302, H319, H335, H400, H410, EUH031 M=1 M=1	ATE (oral): 1671 mg/kg
Silicic acid, sodium salt	1344-09-8 215-687-4 01-2119448725-31-xxxx -	1 - 5%	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3 - resp. tract irrit.	H315, H319, H335 - -	-

#### **Substance additional information**

This mixture does not contain any substances complying with the criteria of the hazard class "acute toxicity" according to the CLP Regulation.

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**

If breathed in, move person into fresh air. Consult a physician if necessary.

#### **Skin contact**

In case of contact, immediately flush skin with soap and plenty of water. Call a physician immediately.

#### **Eye contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

#### **Ingestion**

Do not induce vomiting. Drink water. Call physician immediately.

#### **Information for doctors**

Show this safety data sheet to the doctor in attendance.

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

#### **Inhalation**

May cause throat irritation. discomfort in the chest .

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### **Skin contact**

Causes severe skin burns.

### **Eye contact**

Risk of serious damage to eyes. May cause irreversible eye damage.

### **Ingestion**

Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine. Ingestion of aqueous solution causes gastrointestinal burns.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. water spray, extinguishing powder, foam or carbon dioxide.

#### **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**

By heating or fire toxic gas is liberated.

### **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.

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

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

Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas. Evacuate unaffected personnel from the spill area.

### **6.2. Environmental precautions**

Dam up. 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**

Take up mechanically and collect in suitable container for disposal.

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## 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

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

#### 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 away from food, drink and animal feeding stuffs. Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 11 (Combustible Solids)

Store in original container. Storage temperature: 10°C to 40°C

### 7.3. Specific end use(s)

PC35 - Washing and cleaning products (including solvent based products)  
 See section 1.2: Laundry booster

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
troclosene sodium, dihydrate (51580-86-0/220-767-7)	DNEL	Chronic (long term) Oral	1.15 mg/kg	Consumers	Systemic
troclosene sodium, dihydrate (51580-86-0/220-767-7)	DNEL	Chronic (long term) Inhalation	8.11 mg/m <sup>3</sup>	Workers	Systemic
Silicic acid, sodium salt (1344-09-8/215-687-4)	DNEL	Chronic (long term) Inhalation	5.61 mg/m <sup>3</sup>	Workers	Systemic
Silicic acid, sodium salt (1344-09-8/215-687-4)	DNEL	Chronic (long term) Dermal	1.59 mg/kg bw/day	Workers	Systemic
Silicic acid, sodium salt (1344-09-8/215-687-4)	DNEL	Chronic (long term) Oral	0.8 mg/kg bw/day	Consumers	Systemic

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## PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
troclosene sodium, dihydrate (51580-86-0/220-767-7)	PNEC	Freshwater	0.00017 mg/l
troclosene sodium, dihydrate (51580-86-0/220-767-7)	PNEC	Sewage Treatment Plant	0.59 mg/l
troclosene sodium, dihydrate (51580-86-0/220-767-7)	PNEC	Soil	0.756 mg/kg
Silicic acid, sodium salt (1344-09-8/215-687-4)	PNEC	Freshwater	7.5 mg/l
Silicic acid, sodium salt (1344-09-8/215-687-4)	PNEC	Marine water	1 mg/l
Silicic acid, sodium salt (1344-09-8/215-687-4)	PNEC	Sewage Treatment Plant	348 mg/l

## 8.2. Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

### Eye / face protection

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

### Hand protection

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The break through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case. The exact break through time can be obtained from the protective glove producer and this has to be observed.

### Other skin protection

Long sleeved clothing

### Respiratory protection

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

### Thermal hazards

Not applicable

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## SECTION 9: Physical and chemical properties

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

**Physical state**

Powder

**Colour**

white

**Odour**

slight chlorine

**Odour threshold**

Not determined for the mixture.

**Melting point / freezing point**

Not determined for the mixture.

**Boiling point or initial boiling point and boiling range**

Not determined for the mixture.

**Flammability**

Not applicable.

**Lower and upper explosion limit**

Not applicable.

**Flash point**

No data available

**Auto-ignition temperature**

Not determined for the mixture.

**Decomposition temperature**

Not determined for the mixture.

**pH**

9

**Method**

1 % aqueous solution

**Kinematic viscosity**

Not determined for the mixture.

**Viscosity, dynamic**

Not determined for the mixture.

**Solubility**

No data available

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## Water solubility

miscible

## Partition coefficient n-octanol/water

Not determined for the mixture.

## Vapour pressure

Not determined for the mixture.

## Density and/or relative density

700 kg/m<sup>3</sup>

### **Method**

Bulk density

## Relative vapour density

Not determined for the mixture.

## Evaporation Rate

Not determined for the mixture.

## Explosive properties

The product / mixture has no explosive properties.

## Oxidising properties

The product / mixture has no oxidizing properties.

## VOC %

< 3 %

## Particle characteristics

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

## **9.2. Other information**

No data available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Stable at normal conditions

### **10.2. Chemical stability**

The product is chemically stable.

### **10.3. Possibility of hazardous reactions**

None under normal use.

### **10.4. Conditions to avoid**

Protect from frost, heat and sunlight.



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## 10.5. Incompatible materials

Acids

## 10.6. Hazardous decomposition products

For information on combustion products, see Section 5.

By heating or fire toxic gas is liberated. May develop chlorine if mixed with acidic solutions.

## 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

Harmful if inhaled.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
troclosene sodium, dihydrate 51580-86-0 / 220-767-7	LD50	1671 mg/kg	Oral	-	rat	EPA OPP 81-1
troclosene sodium, dihydrate 51580-86-0 / 220-767-7	LC50	>0,27 mg/l	Inhalation	4h	rat	OECD 403

#### Skin corrosion/irritation

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

May cause skin irritation.

#### Serious eye damage/irritation

May cause irreversible eye damage.

#### Germ cell mutagenicity

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.

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**STOT-single exposure**

Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

**STOT-repeated exposure**

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

**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****Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
troclosene sodium, dihydrate 51580-86-0 / 220-767-7	LC50	0,23 mg/l	96h	Lepomis macrochirus

**Acute crustacean toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
troclosene sodium, dihydrate 51580-86-0 / 220-767-7	EC50	0,21 mg/l	48h	Daphnia magna (Water flea)

**Micro-/macro organism toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
troclosene sodium, dihydrate 51580-86-0 / 220-767-7	EC50	51 mg/l	3h	Bacteria	OECD 209

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## 12.2. Persistence and degradability

### Persistence and degradability

No information available

### Decay/transformation

No information available

## 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
06 02 99	wastes not otherwise spe

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

## SECTION 14: Transport information

### 14.1. UN number

3077

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## 14.2. UN proper shipping name

Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate)

### IMDG proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (TROCLOSENE SODIUM, DIHYDRATE)

## 14.3. Transport hazard class(es)

### Label



### ADR / RID Class

9

### ADR / RID Classification code

M7

### ADR / RID hazard identification number

90

### IMDG Class

9

### IATA Class

9

### ADN Class

9

### ADN Class Code

M7

## 14.4. Packing group

III

## 14.5. Environmental hazards

### Environmental hazards

The product contains following substances which are hazardous for the environment: Sodium dichloroisocyanurate dihydrate

### IMDG Marine Pollutant

Yes

## 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

According to Regulation (EC) No 1907/2006

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## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

### Other

#### **Additional information ADR-RID**

LQ; 5kg

EQ: E1

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

## 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: 15-30% phosphates, >30% chlorine-based bleaching agents.

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

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

Substances subject to authorization according to Annex XIV: not applicable

Substance restrictions according to Annex XVII: not applicable

Substances on the REACH candidate list (SVHC): not applicable

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: not applicable

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.

#### **Other regulations, limitations and legal regulations**

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

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## SECTION 16: Other information

### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

### 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

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## **Phrase meaning**

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Eye Irrit. 2 - Eye irritation, hazard category 2  
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation  
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1  
Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1  
Skin Irrit. 2 - Skin irritation, hazard category 2  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH031 Contact with acids liberates toxic gas.

## **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.