

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro



Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14

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

### 1.1. Product identifier

**Trade name**

Severa Multi Kleen Tab Pro

**UFI code**

Y3A6-6M0M-H079-X3MF

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

**Relevant identified uses**

Tab-Concentrate for Multi-Purpose Cleaning 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

<https://www.kleenpurgatis.de>

**Contact person**

Regulatory Affairs

**Email address**

info@budich.de

### 1.4. Emergency telephone number

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

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14



## Available outside office hours

Yes

## 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

#### Hazard statements

H319

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Warning

#### Hazard statements

H319 Causes serious eye irritation.

#### Precautionary statements

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

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.

### 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.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14



## 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
sodium carbonate	497-19-8 207-838-8 01-2119485498-19- xxxx 011-005-00-2	50 - 70%	Eye Irrit. 2	H319 - -	-
citric acid	77-92-9 201-069-1 01-2119457026-42- xxxx -	30 - 40%	Eye Irrit. 2	H319 - -	-
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	196823-11-7 677-779-4 - -	1 - 5%	Eye Irrit. 2	H319 - -	-
Sodium C12-18-alkyl sulfate	68955-19-1 273-257-1 01-2119490225-39- xxxx -	1 - <3%	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3	H315, H318, H412 - -	Eye Dam./Irrit. 2: 10 - < 20 % Eye Dam./Irrit. 1: >= 20 %

#### **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.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro



Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14

### **Eye contact**

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

### **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.

## **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 irritation

### **Eye contact**

Eye irritation

### **Ingestion**

Stomach/intestinal disorders

## **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**

Foam, carbon dioxide, dry powder or water fog

#### **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.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14



## **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. 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**

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 children. Store in a place accessible by authorized persons only. Keep away from food, drink and animal feeding stuffs. Keep in a dry, cool place.

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

Store in original container.

Storage temperature: 10°C to 40°C

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14



## 7.3. Specific end use(s)

GISCODE: GU70

See section 1.2: Tab-Concentrate for Multi-Purpose Cleaning

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
sodium carbonate (497-19-8/207-838-8)	DNEL	Chronic (long term) Inhalation	10 mg/m <sup>3</sup>	Workers	Local
Sodium C12-18-alkyl sulfate (68955-19-1/273-257-1)	DNEL	Chronic (long term) Dermal	2440 mg/kg	Consumers	Systemic
Sodium C12-18-alkyl sulfate (68955-19-1/273-257-1)	DNEL	Chronic (long term) Oral	24 mg/kg	Consumers	Systemic

#### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
citric acid (77-92-9/201-069-1)	PNEC	Marine water	0.044 mg/l
citric acid (77-92-9/201-069-1)	PNEC	Sewage Treatment Plant	1000 mg/l
citric acid (77-92-9/201-069-1)	PNEC	Sediment (marine water)	3.46 mg/kg
citric acid (77-92-9/201-069-1)	PNEC	Soil	33.1 mg/kg
Sodium C12-18-alkyl sulfate (68955-19-1/273-257-1)	PNEC	Marine water	0.0098 mg/l
Sodium C12-18-alkyl sulfate (68955-19-1/273-257-1)	PNEC	Sewage Treatment Plant	6.8 mg/l
Sodium C12-18-alkyl sulfate (68955-19-1/273-257-1)	PNEC	Sediment (marine water)	0.345 mg/kg
Sodium C12-18-alkyl sulfate (68955-19-1/273-257-1)	PNEC	Soil	0.631 mg/kg

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro



Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14

## 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

Blue

#### Odour

fresh scent

#### Odour threshold

Not determined for the mixture.

#### Melting point / freezing point

Not applicable.

#### Boiling point or initial boiling point and boiling range

Not applicable.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14



## **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**

Not determined for the mixture.

## **pH**

9

## **Method**

1 % aqueous solution

## **Kinematic viscosity**

Not applicable.

## **Viscosity, dynamic**

Not applicable.

## **Solubility**

Water soluble

## **Water solubility**

completely soluble

## **Partition coefficient n-octanol/water**

Not determined for the mixture.

## **Vapour pressure**

Not applicable.

## **Density and/or relative density**

Not determined for the mixture.

## **Relative density**

Not determined for the mixture.

## **Relative vapour density**

Not applicable.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14



## Evaporation Rate

Not applicable.

## 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

Conductivity : 7,3 mS/cm 1 % aqueous solution

## 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.

### 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.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14



## SECTION 11: Toxicological information

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

#### **Acute toxicity**

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

Toxicology data for the components:

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline	Remarks
sodium carbonate 497-19-8 / 207-838-8	LD50	2.800 mg/kg	Oral	rat	-	-
citric acid 77-92-9 / 201-069-1	LD50	5.400 mg/kg	Oral	mouse	OECD 401	ECHA
citric acid 77-92-9 / 201-069-1	LD50	>2.000 mg/kg	Dermal	rat	OECD 402	ECHA
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block 196823-11-7 / 677-779-4	LD50	> 2.000 mg/kg	Oral	rat	OECD 423	-
Sodium C12-18-alkyl sulfate 68955-19-1 / 273-257-1	LD50	> 2.000 mg/kg	Oral	-	calculated	-

#### **Skin corrosion/irritation**

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

#### **Serious eye damage/irritation**

Causes serious eye irritation.

#### **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.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14



### 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.

### 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	Method / Guideline	Remark
sodium carbonate 497-19-8 / 207-838-8	LC50	300 mg/l	96h	Lepomis macrochirus	-	-
citric acid 77-92-9 / 201-069-1	LC50	440 mg/l	48 h	Golden orfe	OECD 203	ECHA
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block 196823-11-7 / 677-779-4	LC50	>1 - 10 mg/l	96h	Brachydanio rerio (zebra fish)	OECD 203	-

According to Regulation (EC) No 1907/2006

**Severa Multi Kleen Tab Pro**

Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Sodium C12-18-alkyl sulfate 68955-19-1 / 273-257-1	LC50	> 10 - 100 mg/l	96 h	Carp	-	-

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Sodium C12-18-alkyl sulfate 68955-19-1 / 273-257-1	EC50	> 10 - 100 mg/l	72 h	algae

**Acute crustacean toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Remark
sodium carbonate 497-19-8 / 207-838-8	EC50	200-227 mg/l	48h	Ceriodaphnia dubia	-
citric acid 77-92-9 / 201-069-1	LC50	1.535 mg/l	24 h	Daphnia magna (Water flea)	ECHA
Sodium C12-18-alkyl sulfate 68955-19-1 / 273-257-1	EC50	> 10 - 100 mg/l	48 h	Daphnia magna (Water flea)	-

**Micro-/macro organism toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block 196823-11-7	EC20	>10 - 100 mg/l	30 min	Activated sludge	OECD 209

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro



Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Sodium C12-18-alkyl sulfate 68955-19-1 / 273-257-1	ECO	> 100 mg/l	-	Pseudomonas putida	-

## 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

No data 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.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro



Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14

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

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3. Transport hazard class(es)

#### Label

Not classified as dangerous in the meaning of transport regulations.

### 14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5. Environmental hazards

#### Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 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 classified as dangerous in the meaning of transport regulations.

### Other

No data available

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14



## 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 % non-ionic surfactants, anionic surfactants, polycarboxylates, phosphonates. Contains: perfumes, preservation agents, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.

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 (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: 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.

### 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

3. Composition/information on ingredients

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro



Version number: 2.0  
 Issued: 2021-10-14  
 Replaces SDS: 2021-04-14

## **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

## **Phrase meaning**

Eye Irrit. 2 - Eye irritation, hazard category 2  
 Skin Irrit. 2 - Skin irritation, hazard category 2  
 Eye Dam. 1 - Serious eye damage, hazard category 1  
 Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.

According to Regulation (EC) No 1907/2006

# Severa Multi Kleen Tab Pro

Version number: 2.0  
Issued: 2021-10-14  
Replaces SDS: 2021-04-14



## 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.