

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date: 14.06.2021

Version number 1

Revision: 14.06.2021

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

**1.1 Product identifier**

**Trade name: Krups Cleaning tablets**

**UFI:** VA50-J0JS-R00T-U3U2

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

**Application of the substance / the mixture** Cleaning tablets for fully automatic coffee machines

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

**Supplier:**

Krups GmbH  
Herrnrainweg 5  
D-63067 Offenbach/Main  
Tel. +49 (0)212 38 70

Groupe SEB  
Rue St Léonard  
F-53104 Mayenne  
Tel. +33 (0)243 08 60 04

Groupe SEB Schweiz GmbH  
Thurgauerstrasse 105  
CH-8152 Glattbrugg  
Tel. +41 (0)44 809 40 00

**Manufacturer:**

Oxytabs GmbH  
- Member of the Medea Group -  
Suhmsberg 40  
D-24768 Rendsburg  
Germany

**Further information obtainable from:**

Tel.: +49 4331 69620 0  
Fax: +49 4331 69620 22  
E-Mail: info@oxytabs.de

**1.4 Emergency telephone number:**

HUS Joint Authority  
Stenbäckinkatu 9, FI-00029 HUS  
Puh.: +358 9 471 977  
Poison Centre Berlin - Emergency call of the Charité  
D-13437 Berlin  
Phone: +49 30 30686 700  
Tox Info Suisse  
CH-8032 Zürich  
Tel.: +41 44 2515151; national: 145  
Emergency call Vienna  
A-1010 Vienna  
Phone: +43 1 406 43 43  
Giftinformationscentralen - Swedish Poisons Information Centre (SPIC)  
Karolinska Hospital - 17176 Stockholm  
Tel.: 112 - begär Giftinformation

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS07

#### Signal word Warning

#### Hazard statements

H319 Causes serious eye irritation.

#### Precautionary statements

P102 Keep out of reach of children.

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.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2 Reg.nr.: 01-2119485498-19	sodium carbonate Eye Irrit. 2, H319	50-100%
CAS: 77-92-9 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	citric acid Eye Irrit. 2, H319	10-25%
CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 01-2119457268-30	sodium percarbonate Ox. Sol. 2, H272; Eye Dam. 1, H318; Acute Tox. 4, H302 Specific concentration limits: Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 7.5 % ≤ C < 25 %	≥10-<25%
CAS: 151-21-3 EINECS: 205-788-1 Reg.nr.: 01-2119489461-32	sodium dodecyl sulphate Flam. Sol. 2, H228; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 Specific concentration limits: Eye Dam. 1; H318: C ≥ 20 % Eye Irrit. 2; H319: 10 % ≤ C < 20 %	≥2.5-<10%

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**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

oxygen-based bleaching agents 15-<30 %

anionic surfactants <5 %

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** No special measures required.

**After inhalation:**

No special measures required.

Supply fresh air.

**After skin contact:** Immediately rinse with water.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:** Wash residues with water.

**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** No special precautions are necessary if used correctly.

**Information about fire and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

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**Further information about storage conditions:** None.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see item 7.

**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

**Respiratory protection:**

Not required.

Use suitable respiratory protective device in case of insufficient ventilation.

**Hand protection**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:** Nitrile rubber, NBR

**Eye/face protection** Wear tightly sealed safety glasses when handling the solution.

**Body protection:** Protective work clothing.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

**Colour:** White

**Odour:** Recognisable

**Odour threshold:** Not determined.

**Melting point/freezing point:** Not determined.

**Boiling point or initial boiling point and boiling range** Not determined.

**Flammability** Not determined.

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<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	9.9 (5%)
<b>Acid/alkali reserve (J.R. Young et al.):</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
<b>Dynamic:</b>	Not applicable.
<b>Solubility</b>	
<b>water:</b>	Fully miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Particle characteristics</b>	See item 3.

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Tablets
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Solvent content:</b>	
<b>VOC (EC)</b>	0.00 %
<b>Solids content:</b>	100.0 %
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not applicable.

#### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void

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**Desensitised explosives**

Void

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** Stable if stored according to specifications.

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 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.

**LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

Oral	LD50	>5,126-6,346 mg/kg (rat)
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**497-19-8 sodium carbonate**

Oral	LD50	2,800 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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**77-92-9 citric acid**

Oral	LD50	5,400 mg/kg (mouse)
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Dermal	LD50	>2,000 mg/kg (rat)
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**15630-89-4 sodium percarbonate**

Oral	LD50	1,034 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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**151-21-3 sodium dodecyl sulphate**

Oral	LD50	>500-2,000 mg/kg (rat) (OECD 401)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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**Skin corrosion/irritation**

Irritating effect.

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

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** 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** Based on available data, the classification criteria are not met.

**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.

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

None of the ingredients is listed.

## SECTION 12: Ecological information

**12.1 Toxicity**
**Aquatic toxicity:**
**77-92-9 citric acid**

LC50/48h (static) 440 mg/l (Leuciscus idus)

LC50/24h (static) 1,535 mg/l (Daphnia magna)

**15630-89-4 sodium percarbonate**

LC50/96h 70.7 mg/l (Pimephales promelas)

EC50/48h 4.9 mg/l (Daphnia pulex)

**151-21-3 sodium dodecyl sulphate**

LC50/96h &gt;10-100 mg/l (Pimephales promelas)

EC50/48h &gt;1-10 mg/l (Ceriodaphnia dubia)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**
**Additional ecological information:**
**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

**Uncleaned packaging:**
**Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

## SECTION 14: Transport information

**14.1 UN number or ID number**
**ADR, ADN, IMDG, IATA**

Not regulated.

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<b>14.2 UN proper shipping name</b> <b>ADR, ADN, IMDG, IATA</b>	Not regulated.
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<b>14.3 Transport hazard class(es)</b> <b>ADR, ADN, IMDG, IATA</b> <b>Class</b>	Not regulated.
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<b>14.4 Packing group</b> <b>ADR, IMDG, IATA</b>	Not regulated.
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<b>14.5 Environmental hazards:</b> <b>Marine pollutant:</b>	No
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<b>14.6 Special precautions for user</b>	Not applicable.
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<b>14.7 Maritime transport in bulk according to</b> <b>IMO instruments</b>	Not applicable.
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<b>UN "Model Regulation":</b>	Not regulated.
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## SECTION 15: Regulatory information

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

**Labelling according to Regulation (EC) No 1272/2008** GHS label elements

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**National regulations:**

The product is subject to be labeled according to the prevailing version of the regulations on hazardous substances.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H228 Flammable solid.

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H315 Causes skin irritation.

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H318 Causes serious eye damage.

H319 Causes serious eye irritation.

**Training hints** No training is obligatory for use of this product.

**Classification according to Regulation (EC) No 1272/2008**

Bridging principles

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS:** Department R&D

**Contact:** Thies Reick

**Created by:** SOH

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Sol. 2: Flammable solids – Category 2

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

**\* Data changed with respect to previous version.**

EU