

## Safety data sheet

according to Regulation (EC) No. 1907/2006

Printing date 08.08.2014

Revision: 08.08.2014

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

- **Version number:** 1.0/EN
- **Creation date:** 08.08.2014
- **1.1 Product identifier**
- **Trade name:** **Cramer Tap Cleaner 0,5 l**
- **Package:** 0,5 l PE-bottle with trigger sprayer
- **Registration number** This Product is a mixture. REACH Registration Number see chapter 3.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **1.2.1 Application of the substance / the mixture** sanitary cleaner
- **1.2.2 Uses advised against** No relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** CRAMER GmbH  
Salzstr. 8A  
85622 Feldkirchen  
  
Tel. +49 (0) 89 99909 770  
  
info@cramer-gmbh.de  
www.cramer-gmbh.de  
info@cramer-gmbh.de
- **Informing department:**
- **1.4 Emergency telephone number:**
- **Telephone number of the company in case of emergencies:** CRAMER GmbH  
Tel. +49 (0) 89 99909 770  
Only available during office hours.

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** void
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:** Keep out of the reach of children
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### **SECTION 3: Composition/information on ingredients**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· 3.1 Substances</li> <li>· 3.2 Mixtures</li> <li>· <b>Dangerous components:</b></li> <li>· <b>Additional information</b></li> </ul> | <p><i>This product is a mixture.</i></p> <p><i>Void</i></p> <p><i>For the wording of the listed risk phrases refer to section 16.</i></p> |
|---|---|

### **SECTION 4: First aid measures**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· 4.1 Description of first aid measures</li> <li>· <b>General information</b></li> <li>· <b>After inhalation</b></li> <li>· <b>After skin contact</b></li> <li>· <b>After eye contact</b></li> <li>· <b>After swallowing</b></li> <li>· 4.2 Most important symptoms and effects, both acute and delayed</li> <li>· 4.3 Indication of any immediate medical attention and special treatment needed</li> </ul> | <p><i>No special measures required.</i></p> <p><i>Supply fresh air.</i></p> <p><i>Instantly rinse with water.</i></p> <p><i>Rinse opened eye for several minutes under running water.</i></p> <p><i>If symptoms persist, consult doctor.</i></p> <p><i>Rinse out mouth and then drink plenty of water.</i></p> <p><i>In case of persistent symptoms consult doctor.</i></p> <p><i>No further relevant information available.</i></p> <p><i>No further relevant information available.</i></p> |
|---|---|

### **SECTION 5: Firefighting measures**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· 5.1 Extinguishing media</li> <li>· <b>Suitable extinguishing agents</b></li> <li>· <b>For safety reasons unsuitable extinguishing agents</b></li> <li>· 5.2 Special hazards arising from the substance or mixture</li> <li>· 5.3 Advice for firefighters</li> <li>· <b>Protective equipment:</b></li> <li>· <b>Additional information</b></li> </ul> | <p><i>The product is not flammable.</i></p> <p><i>Use fire fighting measures that suit the environment.</i></p> <p><i>For this mixture no limitations of extinguishing agents are given.</i></p> <p><i>No further relevant information available.</i></p> <p><i>No special measures required.</i></p> <p><i>No relevant information available.</i></p> |
|---|--|

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

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· 6.1 Personal precautions, protective equipment and emergency procedures</li> <li>· 6.2 Environmental precautions:</li> <li>· 6.3 Methods and material for containment and cleaning up:</li> <li>· 6.4 Reference to other sections</li> </ul> | <p><i>Not required.</i></p> <p><i>No special measures required.</i></p> <p><i>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).</i></p> <p><i>No dangerous materials are released.</i></p> |
|---|--|

### **SECTION 7: Handling and storage**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· 7.1 Precautions for safe handling</li> </ul> | <p><i>Observe label precautions.</i></p> |
|---|--|

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- **Information about protection against explosions and fires:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**
- **Recommended storage temperature:** *+ 5 until +40 °C*
- **Storage class** *10-13 Other liquids and solids.*
- **7.3 Specific end use(s)** *See Section 1.2.1*
- **GISCODES:** *GS10 Sanitary cleaner, pH >2, not labeled*

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical 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.*
- **DNELs** *No data available.*
- **PNECs** *No data available.*
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **8.2.1 Engineering Controls:** *Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.*  
*See Section 7.*
- **8.2.2 Personal protective equipment** *Protective clothing need to be selected specifically for the workplace, depending on concentration and quantities of the hazardous substance handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.*
- **General protective and hygienic measures** *The usual precautionary measures should be adhered to in handling the chemicals.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:**
  -  *Chemical-resistant protective gloves (EN 374)*
  - **Material of gloves** *Nitrile rubber, NBR*
  - **Penetration time of glove material** *Recommended thickness of the material: ≥ 0.4 mm*  
*> 480 min*  
*For the contact with product protective gloves made from Natural rubber are recommended according to EN 374, for example Ultranitрил 492(MAPA GmbH). In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress,*

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antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

## · Eye protection:



Tightly sealed safety glasses according to EN 166.

## · 8.2.3 Limitation and supervision of exposure into the environment

See Sections 6 and 7.

### SECTION 9: Physical and chemical properties

## · 9.1 Information on basic physical and chemical properties

## · General Information

## · Appearance:

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Smell:</b>	Fruit-like
<b>Odour threshold:</b>	Not determined.

· pH-value at 20 °C: 2.5 &lt; pH ≤ 2.9

## · Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	100 °C
<b>Flash point:</b>	>65 °C (EN ISO 13736)
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
<b>Self-inflammability:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product is not explosive.
<b>Critical values for explosion:</b>	
<b>Lower:</b>	Not applicable.
<b>Upper:</b>	Not applicable.
<b>Oxidizing properties</b>	Not applicable.
<b>Steam pressure:</b>	Not determined.
<b>Density</b>	
<b>Relative density at 20 °C</b>	1.006 g/cm <sup>3</sup> ((EG) Nr. 440/2008; A.3.)
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

## · Solubility in / Miscibility with

<b>Water:</b>	Fully miscible
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
<b>9.2 Other information</b>	No further relevant information available.

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#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** *See Section 10.3.*
- **10.2 Chemical stability**
- **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 toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Oral	ATE mix	>2000 mg/kg (Calculation method)
Dermal	ATE mix	>2000 mg/kg (Calculation method)

- **Assessment / Classification:** *Based on available data, the classification criteria are not met. The Classification was carried out according to the calculation method of the CLP Regulation (EC) 1272/2008.*
  
- **Primary irritant/corrosive effect:**
- **on the skin:** *No irritant effect.*
- **Assessment / Classification:** *Based on available data, the classification criteria are not met. The Classification was carried out according to the calculation method of the CLP Regulation (EC) 1272/2008.*
  
- **on the eye:** *No irritant effect.*
- **Assessment / Classification:** *Based on available data, the classification criteria are not met. The Classification was carried out according to the calculation method of the CLP Regulation (EC) 1272/2008.*
  
- **Sensitization:** *No sensitizing effect known.*
- **Assessment / Classification:** *Based on available data, the classification criteria are not met.*
  
- **Repeated dose toxicity** *Not tested*
- *Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.*
  
- **Carcinogenicity** *Not tested*
- *Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.*
  
- **Mutagenicity** *Not tested*
- *Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.*
  
- **Toxicity for reproduction** *Not tested*
- *Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated*

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uses.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

- **Aquatic toxicity:**
- **Assessment / Classification:**

No further relevant information available.  
Based on available data, the classification criteria are not met. The Classification was carried out according to the calculation method of the CLP Regulation (EC) 1272/2008.

- **12.2 Persistence and degradability**
- **Other information:**

No further relevant information available.  
The product is easily biodegradable.  
The statement is derived from the properties of the single components.

- **12.3 Bioaccumulative potential**
- **12.4 Mobility in soil**
- **Additional ecological information:**
- **General notes:**

No further relevant information available.  
No further relevant information available.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.  
Water hazard class 2 (Self-assessment): hazardous for water.  
Danger to drinking water if even small quantities leak into soil.

- **12.5 Results of PBT and vPvB assessment**
- **PBT:**
- **vPvB:**
- **12.6 Other adverse effects**

Not applicable.  
Not applicable.  
No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

- **13.1.1 Appropriate disposal / Product Recommendation:**

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

- **List of proposed waste codes/waste designations in accordance with EWC:**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 30	detergents other than those mentioned in 20 01 29
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

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15 01 00	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging

· **13.1.2 Appropriate disposal / Package:**

· **Recommendation:**

Packaging can be reused or recycled after cleaning.  
Dispose of packaging according to regulations on the disposal of packagings.

· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

### SECTION 14: Transport information

· **UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **UN "Model Regulation":**

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### SECTION 15: Regulatory information

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

· **EU regulations:**

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

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

non-ionic surfactants, phosphates, amphoteric surfactants

< 5%

perfumes

· **Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products:**

This product does not fall within the scope of the Biocidal Products Regulation (BPR).

· **National regulations**

· **BfR-Number (Germany):**

2013511

2013512

· **Water hazard class:**

Water hazard class 2 (Self-assessment): hazardous for water.

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· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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### SECTION 16: Other information

· 16.1 Indication of changes:

Not applicable.

· 16.2 Relevant R-, H- and EUH-phrases  
(number and full text):

Void

· 16.3 Training hints

Not applicable

· 16.4 Literature and data sources:

Regulation (EC) No 1907/2006 concerning the  
Registration, Evaluation, Authorisation and Restriction of  
Chemicals (REACH)Regulation (EC) No 1272/2008 on classification, labelling  
and packaging of substances and mixturesDirective 1999/45/EC - classification, packaging and  
labelling of dangerous preparationsDirective 67/548/EEC - classification, packaging and  
labelling of dangerous substances

· 16.5 Additional Information:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

· Classification for mixtures and used evaluation method according to regulation (EC)1207/2008 [CLP]:

Not applicable.

· 16.6 Any Abbreviations and acronyms used in this document:

ATE Acute Toxicity Estimate

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN European Committee for Standardisation

C&amp;L Classification and Labelling

CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS Chemical Abstracts Service number

COM European Commission

CMR Carcinogen, Mutagen, or Reproductive Toxicant

CSA Chemical Safety Assessment

CSR Chemical Safety Report

DNEL Derived No Effect Level

DPD Dangerous Preparations Directive 1999/45/EC

DSD Dangerous Substances Directive 67/548/EEC

DU Downstream User

DUCC Downstream Users of Chemicals Co-ordination platform

EEA European Economic Area (EU + Iceland, Liechtenstein and Norway)

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ECB European Chemicals Bureau  
 ECHA European Chemicals Agency  
 EC-Number EINECS and ELINCS Number (see also EINECS and ELINCS)  
 EINECS European Inventory of Existing Commercial Substances  
 ELINCS European List of notified Chemical Substances  
 EN European Standard  
 EP European Parliament  
 EQS Environmental Quality Standard  
 ext-SDS Extended Safety Data Sheet (SDS with ES attached)  
 EU European Union  
 Euphrac European Phrase Catalogue  
 EWC European Waste Catalogue (replaced by LoW – see below)  
 GES Generic Exposure Scenario  
 GHS Globally Harmonized System  
 HH Human Health  
 IATA International Air Transport Association  
 ICAO-TI Technical Instructions for the Safe Transport of Dangerous Goods by Air  
 IMDG International Maritime Dangerous Goods  
 IMSBC International Maritime Solid Bulk Cargoes  
 IT Information Technology  
 IUCLID International Uniform Chemical Information Database  
 IUPAC International Union for Pure Applied Chemistry  
 JRC Joint Research Centre  
 Kow octanol-water partition coefficient  
 LC50 Lethal Concentration to 50 % of a test population  
 LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)  
 LE Legal Entity  
 LoW List of Wastes (see [ec.europa.eu/environment/waste/framework/list.htm](http://ec.europa.eu/environment/waste/framework/list.htm))  
 LR Lead Registrant  
 M/I Manufacturer / Importer  
 MS Member States  
 MSDS Material Safety Data Sheet  
 OC Operational Conditions  
 OECD Organization for Economic Co-operation and Development  
 OECD-WPMNM OECD Working Party on Manufactured Nanomaterials  
 OEL Occupational Exposure Limit  
 OH Occupational Health  
 OR Only Representative  
 OSHA European Agency for Safety and Health at work  
 PBT Persistent, Bioaccumulative and Toxic substance  
 PEC Predicted Effect Concentration  
 PNEC(s) Predicted No Effect Concentration(s)  
 PPE Personal Protection Equipment  
 (Q)SAR Qualitative Structure Activity Relationship  
 REACH Registration, Evaluation, Authorisation and

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*Restriction of Chemicals Regulation (EC) No1907/2006*  
*RID Regulations concerning the International Carriage of Dangerous Goods by Rail*  
*RIP REACH Implementation Project*  
*RMM Risk Management Measure*  
*SC Supply Chain*  
*SCBA Self-Contained Breathing Apparatus*  
*SDS Safety Data Sheet*  
*SIEF Substance Information Exchange Forum*  
*SME Small and Medium sized Enterprises*  
*STOT Specific Target Organ Toxicity*  
*(STOT) RE Repeated Exposure*  
*(STOT) SE Single Exposure*  
*SVHC Substances of Very High Concern*  
*UIC Union des Industries Chimiques*  
*UN United Nations*  
*VCI Verband der Chemischen Industrie*  
*vPvB Very Persistent and Very Bioaccumulative*

GB