## Drain Clean 750ml

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

### 1.1. Product identifier

**Trade name/designation:**

Drain Clean 750ml

**Article No.:**
T492000

**UFI:**
4073-PG0E-7VM2-AAFU

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

**Use of the substance/mixture:**
Pipe cleaner liquid
Entstopfungsmittel und Rohreiniger Flüssig

### 1.3. Details of the supplier of the safety data sheet

**Supplier:**


**Techniqua Handels GmbH**
Hartleitnerstraße 3
4653 Eberstalzell
Austria
**Telephone:** +43 (0) 7241 213 79
**E-mail:** office@techniqua.at


### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (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 [CLP]**

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Skin corrosion/irritation *(Skin Corr. 1A)* | H314: Causes severe skin burns and eye damage. | |
| Serious eye damage/eye irritation *(Eye Dam. 1)* | H318: Causes serious eye damage. | |

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms:**

**GHS05**
Corrosion

**Signal word:** Danger

**Hazard components for labelling:**
Sulphuric acid

| Hazard statements for health hazards | |
|---|---|
| H314 | Causes severe skin burns and eye damage. |

**Supplemental hazard information:** none

| Precautionary statements Prevention | |
|---|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash ... thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/.... |

| Precautionary statements Response | |
|---|---|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor/.... |

### 2.3. Other hazards

**Adverse environmental effects:**

This mixture does not contain substances classified as PBT or vPvB substances. The product does not contain any substances with endocrine-disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

| Product identifiers | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|---|---|---|
| CAS No.: 7664-93-9<br>EC No.: 231-639-5<br>Index No.: 016-020-00-8<br>REACH No.:<br>01-2119458838-20-XXXX | **Sulphuric acid**<br>Eye Dam. 1 (H318), Skin Corr. 1A (H314)<br>Danger<br>**Specific concentration limit (SCL)**<br>Skin Corr. 1A; H314: C ≥ 15%<br>Skin Irrit. 2; H315: 5% ≤ C < 15%<br>Eye Dam. 1; H318: C ≥ 15%<br>Eye Irrit. 2; H319: 5% ≤ C < 15% | 95 – 99.99 % |

*Full text of H- and EUH-phrases: see section 16.*

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Following inhalation:**

A doctor must be consulted immediately. The person concerned shall be carried outside, away from the scene of the accident. If breathing stops, artificial respiration shall be given. The appropriate measures for the rescuer are to be taken.

**In case of skin contact:**

Soiled, soaked clothing must be taken off. One must take a shower immediately. A doctor must be consulted immediately.

**After eye contact:**

Any contact lenses must be removed. One must immediately and extensively wash with water for at least 30 / 60 minutes, opening the eyelids well. A doctor must be consulted immediately.

**Following ingestion:**

The largest possible amount of water must be administered. Vomiting must not be induced unless specifically ordered by the doctor.

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

There is no known specific information on symptoms and effects caused by this product.

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

No further details.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:**
Carbon dioxide, Foam, Extinguishing powder, Water mist

**Unsuitable extinguishing media:**
No information available.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products:**
Avoid inhalation of combustion products.

### 5.3. Advice for firefighters

The containers shall be cooled with water jets to prevent the decomposition of the product and the formation of potentially harmful substances. Complete fire protective clothing shall be worn at all times. Extinguishing water that is not allowed to enter the sewage pipes shall be collected. The water used for extinguishing and the fire residues shall be taken up in accordance with the regulations in force.

Personal protection:
Normal firefighting clothing, e.g. an open-circuit compressed air respirator (EN 137) firefighting kit (EN469), firefighting gloves (EN 659) and firefighting boots (HO A 29 or A30)

## SECTION 6: Accidental release measures

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

### 6.1.1. For non-emergency personnel

**Personal precautions:**
The leakage may be blocked if there is no danger. Appropriate protective devices (including personal protective devices as per para. 8 from the safety instructions) shall be put on to prevent contamination of skin, eyes and personal clothing. These instructions apply to both reprocessing supervisors and emergency stop interventions.

### 6.1.2. For emergency responders

No data available

### 6.2. Environmental precautions

Prevent the product from entering waste water, surface water, ground water.

### 6.3. Methods and material for containment and cleaning up

**Other information:**
The spilled product must be sucked into a suitable container. The container to be used shall be tested for compatibility with the product, subject to section 10. The residual product shall be absorbed with inert absorbent material. Adequate ventilation of the affected area shall be provided. Contaminated material must be disposed of in accordance with the regulations in section 13.

### 6.4. Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

### Protective measures

**Advices on safe handling:**
Do not handle the product until you have read all other sections of this safety sheet. Avoid dispersal of the product in the environment. Do not eat, drink or smoke while using the product. Before entering the eating area, remove wetted clothing and protective devices.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:**

Store only in original containers. Keep the containers closed, in a well-ventilated place, protected from direct sunlight. The containers must be kept away from any incompatible materials, referring to section 10.

**Storage class (TRGS 510, Germany):** 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

**Recommendation:**

No further details.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|---|---|---|
| IOELV (EU) | **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | ① 0.05 mg/m³ |
| MAK (AT)<br>from 25 Sept 2018 | **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | ① 0.1 mg/m³<br>⑤ (einatembare Fraktion) |
| MAK (AT)<br>from 25 Sept 2018 | **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | ② 0.2 mg/m³<br>⑤ (einatembare Fraktion max. 8x5 min./Schicht, Momentanwert) |

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

| Substance name | DNEL value | ① DNEL type<br>② Exposure route |
|---|---|---|
| **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | 0.05 mg/m³ | ① DNEL worker<br>② Long-term – inhalation, local effects |
| **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | 0.1 mg/m³ | ① DNEL worker<br>② Acute - inhalation, local effects |

| Substance name | PNEC Value | ① PNEC type |
|---|---|---|
| **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | 0.03 mg/L | ① PNEC aquatic, freshwater |
| **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | 0.002 mg/kg | ① PNEC sediment, freshwater |
| **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | 0.002 mg/kg | ① PNEC sediment, marine water |
| **Sulphuric acid**<br>CAS No.: 7664-93-9<br>EC No.: 231-639-5 | 8.8 mg/L | ① PNEC secondary poisoning |

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Emergency stop showers with face-eye-rinsing are to be provided.

#### 8.2.2. Personal protection equipment

**Eye/face protection:**

The use of full-head shields or protective shields in combination with penetration-proof goggles is recommended (ref. standard EN 166).

**Skin protection:**

The hands must be protected with category III work gloves (ref. standard EN 374). For the final choice of material for the work gloves, the following aspects must be included: Compatibility, degradation, breaking time and permeability. In the case of preparations, the work glove resistance to chemical agents must be tested before use, as it is unpredictable. Glove wear time is conditioned by exposure time and modes of use.
Work clothing with long sleeves and category III accident protection footwear must be worn (see Regulation 2016/425 and standard EN ISO 20344). After taking off the protective clothing, one must wash with soap and water.

**Respiratory protection:**

If the threshold value (e.g. TLV-TWA) of the substance or one or more substances contained in the product is exceeded, it is advisable to wear a mask with a type B filter, the class of which (1, 2 or 3) should be selected according to the highest concentration used. (Ref. standard EN 14387). In the presence of gases or vapours of a different nature and/or gases or vapours containing particles (aerosol, smoke, mist, etc.), use combined filters.
If the technical measures taken are not sufficient to reduce the exposure of the worker to the thresholds considered, the use of respiratory protective devices is necessary. The protection provided by the mask is limited in any case. If the substance under consideration is odourless or its odour threshold exceeds the corresponding TLV-TWA, or in case of emergency, an open-circuit self-operated compressed air respirator (ref. standard EN137) or an external air intake respirator (ref. standard EN138) must be worn. For the correct selection of the respiratory protective device, refer to standard EN 529.

**Other protection measures:**

Considering that appropriate protective measures should always take precedence over personal protective clothing, ensure that the workplace is well ventilated by effective local exhaust ventilation. For the selection of personal protective equipment, the trusted chemical manufacturers may need to be consulted. The personal protective equipment must be CE marked to indicate its suitability for the applicable regulations.

#### 8.2.3. Environmental exposure controls

Emissions from manufacturing processes, including those from ventilation equipment, should be checked for compliance with environmental legislation.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid viscous
**Colour:** dark brown
**Odour:** characteristic

#### Safety relevant basis data

| Parameter | Value | at °C | ① Method<br>② Remark |
|---|---|---|---|
| pH | < 1 | 20 °C | ① ASTM E 70<br>② Concentration: 20% |
| Melting point | *not determined* | | |
| Freezing point | *not determined* | | |
| Initial boiling point and boiling range | 300 °C | | ① ASTM D 1120 |
| Decomposition temperature | *not determined* | | |
| Flash point | *not determined* | | |

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| Parameter | Value | at °C | ① Method<br>② Remark |
|---|---|---|---|
| Evaporation rate | *not determined* | | |
| Auto-ignition temperature | *not determined* | | |
| Upper/lower flammability or explosive limits | *not determined* | | |
| Vapour pressure | *not determined* | | |
| Vapour density | *not determined* | | |
| Density | 1.83 kg/L | 20 °C | ① ASTM D 1298 |
| Relative density | *not determined* | | |
| Bulk density | *not determined* | | |
| Water solubility | easily soluble | 20 °C | |
| Partition coefficient: n-octanol/water | *not applicable* | | |
| Dynamic viscosity | *not determined* | | |
| Kinematic viscosity | *not determined* | | |

**particle characteristics:**
not applicable

### 9.2. Other information
No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
No special reaction hazards with other substances under normal conditions of use.

sulphuric acid
Decomposes at 450°C/842°F

### 10.2. Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid
None in particular. However, the usual caution with chemical products must be observed.

### 10.5. Incompatible materials
Incompatible with: flammable substances, reducing substances, basic substances, metals, organic substances, water.

### 10.6. Hazardous decomposition products
Kann entwickeln: Schwefeloxide.

## SECTION 11: Toxicological information

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

| **Sulphuric acid** CAS No.: 7664-93-9 EC No.: 231-639-5 |
|---|
| **$LD_{50}$ oral:** 2,140 mg/kg (Ratte) |
| **$LC_{50}$ Acute inhalation toxicity (dust/mist):** 375 mg/L 4 h (Ratte) |

**Acute oral toxicity:**
Not classified (No relevant ingredient)
**Acute dermal toxicity:**
Not classified (No relevant ingredient)
**Acute inhalation toxicity:**
Not classified (No relevant ingredient)

**Skin corrosion/irritation:**
Skin corrosion/irritation

**Serious eye damage/irritation:**
Causes serious eye damage.

**Respiratory or skin sensitisation:**
Does not fall under the classification criteria of this hazard class

**Germ cell mutagenicity:**
Does not fall under the classification criteria of this hazard class

**Carcinogenicity:**
Does not fall under the classification criteria of this hazard class

**Reproductive toxicity:**
Does not fall under the classification criteria of this hazard class

**STOT-single exposure:**
Does not fall under the classification criteria of this hazard class

**STOT-repeated exposure:**
Does not fall under the classification criteria of this hazard class

**Aspiration hazard:**
Does not fall under the classification criteria of this hazard class

**Additional information:**
As no experimental toxicological data on the product are available, the possible health risks were evaluated on the properties of the substances contained according to the criteria of the reference standards for classification. For the evaluation of toxicological effects in case of product exposure, the concentrations of the individual pollutants possibly listed under para. 3 have to be considered.

### 11.2. Information on other hazards

**Other information:**
According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

## SECTION 12: Ecological information

### 12.1. Toxicity

| **Sulphuric acid** CAS No.: 7664-93-9 EC No.: 231-639-5 |
|---|
| **$LC_{50}$:** >16 mg/L 4 d (fish) |
| **$EC_{50}$:** >100 mg/L 2 d (crustaceans, Daphnia magna) |
| **$EC_{50}$:** >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) |
| **NOEC:** 0.31 mg/L (fish, Salvelinus fontinalis) |
| **NOEC:** 0.15 mg/L (crustaceans) |

### 12.2. Persistence and degradability

**Additional information:**
Water solubility 1000 - 10000 mg/l
Persistence and degradability: No further details.

### 12.3. Bioaccumulative potential

**Partition coefficient: n-octanol/water:**
not applicable

### 12.4. Mobility in soil

No further details.

### 12.5. Results of PBT and vPvB assessment

| **Sulphuric acid** CAS No.: 7664-93-9 EC No.: 231-639-5 |
|---|
| **Results of PBT and vPvB assessment:** — |

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages ≥ 0.1%.

### 12.6. Endocrine disrupting properties
According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

### 12.7. Other adverse effects
No further details.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
Reuse if possible. Product residues are to be considered as hazardous waste. The hazardousness of the waste partially containing this product must be evaluated on the basis of the legal provisions in force. Disposal must be entrusted to a company authorised for waste management, taking into account national and, where applicable, local regulations.

### Waste treatment options
**Appropriate disposal / Package:**
Contaminated packaging material must be sent for recycling or disposal in accordance with the country's waste management regulations.

### 13.2. Additional information
The transport of the waste may be subject to ADR.

## SECTION 14: Transport information

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|---|---|
| **14.1. UN number or ID number** | | | |
| UN 1830 | No dangerous good in sense of these transport regulations. | UN 1830 | UN 1830 |
| **14.2. UN proper shipping name** | | | |
| SULPHURIC ACID | No dangerous good in sense of these transport regulations. | SULPHURIC ACID SOLUTION | SULPHURIC ACID SOLUTION |
| **14.3. Transport hazard class(es)** | | | |
|  8 | not relevant |  8 |  8 |
| **14.4. Packing group** | | | |
| II | not relevant | II | II |
| **14.5. Environmental hazards** | | | |
| No | not relevant | No data available | No data available |
| **14.6. Special precautions for user** | | | |
| **Limited quantity (LQ):** 1 L<br>**Excepted Quantities (EQ):** E2<br>**Hazard identification number (Kemler No.):** 80<br>**Classification code:** C1<br>**Tunnel restriction code:** (E) | not relevant | **Limited quantity (LQ):** 1l<br>**EmS-No.:** F-A, S-B | **Special Provisions:** Cargo: Höchstmenge 30 L, Packaging details 855;<br><br>Pass.: Höchstmenge 1 L, Packaging details 851 |

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

Information not applicable.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

**Restrictions on use:**

Restrictions on the product or substances according to Annex XVII Regulation (EC) 1907/2006
Product - point 3; Substances contained - point 75

**Other regulations (EU):**

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.
Regulation (EU) 2019/1148 (marketing and use of explosives precursors)
Restricted explosives precursor The acquisition, transfer, possession or use by members of the general public of the restricted explosives precursor in question shall be subject to a restriction in accordance with Article 5(1) and (3). Restricted explosives precursors shall not be made available to, transferred to, possessed by or used by members of the general public. The acquisition, transfer, possession or use of the regulated explosives precursor in question by members of the general public shall be subject to reporting requirements in accordance with Article 9. All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

#### 15.1.2. National regulations

No data available

### 15.2. Chemical Safety Assessment

sulphuric acid
In accordance with Article 14 reg. ce 1907/2006, an assessment has been made for the chemical safety of the substance.

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ASTM | American Society for Testing and Materials |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| DNEL | derived no-effect level |
| $EC_{50}$ | Effective Concentration 50% |
| EN | European Standard |
| ES | Exposure scenario |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| $LC_{50}$ | Lethal (fatal) Concentration 50% |
| $LD_{50}$ | Lethal (fatal) Dose 50% |
| MAK | Maximum concentration in the workplace air (CH) |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety & Health |
| NOEC | No Observed Effect Concentration |
| OSHA | Occupational Safety & Health Administration |

| | |
|---|---|
| PBT | persistent and bioaccumulative and toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation and Authorization of Chemicals |
| RID | Dangerous goods regulations for transport by rail |
| SCL | Specific concentration limit |
| TRGS | Technische Regeln für Gefahrstoffe |
| UN | United Nations |

### 16.3. Key literature references and sources for data
No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Skin corrosion/irritation *(Skin Corr. 1A)* | H314: Causes severe skin burns and eye damage. | |
| Serious eye damage/eye irritation *(Eye Dam. 1)* | H318: Causes serious eye damage. | |

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements | |
|---|---|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

### 16.6. Training advice
No data available

### 16.7. Additional information
No data available