

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

Printing date 06.01.2023

Version number 1.01

Revision: 06.01.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**- 1.1 Product identifier****- Trade name ProCare Universal 70 ST****- 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

- Application of the substance / the mixture Cleaning agent/ Cleaner**- 1.3 Details of the supplier of the safety data sheet****- Manufacturer/Supplier:**

HERSTELLER:

Stockmeier GmbH & Co. KG

Eckendorfer Str. 10

33609 Bielefeld

Germany

LIEFERANT:

Miele & Cie. KG

Carl-Miele-Straße 29

33332 Gütersloh

Germany

Tel: 0800 22 44 644

Steelco S.p.A.

Via Balegante 27,

31039 Riese Pio X (TV)

Italy

Tel: +39 0423 7561

- Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

- 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

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.

- 2.2 Label elements**- Labelling according to Regulation (EC) No 1272/2008** Void**- Hazard pictograms** Void**- Signal word** Void**- Hazard statements** Void**- Additional information:**

Safety data sheet available on request.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.

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- **vPvB**: Not applicable.

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SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**- **Description**: Mixture of the substances listed below with harmless additions (aqueous solution).- **Dangerous components**:

CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg	≥2.5-<10%
CAS: 85586-07-8 EINECS: 287-809-4 Reg.nr.: 01-2119489463-28	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 20% Eye Irrit. 2; H319: 10 % ≤ C < 20 %	<2.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.- **Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

- < 5 % non-ionic surfactants,
- < 5 % anionic surfactants,
- perfumes

SECTION 4: First aid measures

- **4.1 Description of first aid measures**- **General advice**: No special measures required.- **After inhalation** Supply fresh air; consult doctor in case of symptoms.- **After skin contact** Wash with water.- **After eye contact**

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- **After swallowing**

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

- **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 fighting measures that suit the environment.- **5.2 Special hazards arising from the substance or mixture**Can be released in case of fire:
carbon monoxide (CO)

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- **5.3 Advice for firefighters**
- **Protective equipment:** Adjust protective clothing to surrounding fire.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Contaminated material has to be disposed as waste (see item 13).
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:**
Pay attention to general rules of internal fire prevention.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storage and handling of water hazardous substances
Store in original containers or in PE-containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

IOELV (EU)	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 98 mg/m ³ , 20 ppm Skin
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- DNELs

111-76-2 2-butoxyethanol

Oral	DNEL (population)	26.7 mg/kg bw/day (Acute, systemic effects) 6.3 mg/kg bw/day (Long-term, systemic effects)
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Dermal	DNEL (worker)	89 mg/kg bw/day (Acute, systemic effects) 125 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	89 mg/kg bw/day (Acute, systemic effects) 75 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	1,091 mg/m ³ (Acute, systemic effects) 246 mg/m ³ (Acute, local effects) 98 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	426 mg/m ³ (Acute, systemic effects) 147 mg/m ³ (Acute, local effects) 59 mg/m ³ (Long-term, systemic effects)
85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		
Oral	DNEL (population)	24 mg/kg bw/day (human)
Dermal	DNEL (worker)	4,060 mg/kg bw/day (human)
	DNEL (population)	2,440 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	285 mg/m ³ (human) 0.131 mg/m ³ (freshwater)
	DNEL (population)	85 mg/m ³ (human)

- PNECs**111-76-2 2-butoxyethanol**

PNEC water	8.8 mg/l (freshwater) 0.88 mg/l (marine water)
PNEC sediment	34.6 mg/kg dw (freshwater) 3.46 mg/kg dw (marine water)
PNEC soil	2.33 mg/kg dw (soil)
PNEC	9.1 (intermittent releases)
PNEC STP	463 mg/l (sewage plant)

85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

PNEC water	0.0131 mg/l (Seawater) 0.131 mg/l (freshwater)
PNEC	0.036 mg/l (intermittent releases) 1.35 mg/l (sewage plant)
PNEC sediment	4.61 mg/kg (freshwater) 0.461 mg/kg (Seawater)
PNEC soil	0.846 mg/kg (soil)

- Additional information: The lists that were valid during the compilation 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

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment:

Not necessary if room is well-ventilated.

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- Use breathing protection in case of insufficient ventilation.
- **Recommended filter device for short term use:** Combination filter A-P2
- **Hand protection**
In case of prolonged skin contact gloves or skin protection cream is recommended.
- **Material of gloves**
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.
- **Eye/face protection** Safety glasses recommended during refilling.
- **Body protection:** Standard protective working clothes
- **Environmental exposure controls**
The local and national waste water regulations must be observed.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- | | |
|-------------------------------------------------------------------|------------------------------------------------------------------------|
| - General Information | |
| - Colour: | Light green |
| - Smell: | Characteristic |
| - Melting point/freezing point: | Not determined |
| - Boiling point or initial boiling point and boiling range | 100 °C |
| - Flash point: | Product is non-flammable nor potentially explosive |
| - pH at 20 °C | 10.8 |
| - pH-value: | |
| - Viscosity: | |
| - Kinematic viscosity | Not determined. |
| - dynamic: | Not determined. |
| - Solubility | |
| - Water: | Fully miscible |
| - Vapour pressure at 20 °C: | 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity) |
| - Density and/or relative density | |
| - Density at 20 °C | 1.013 g/cm ³ |

- 9.2 Other information

- | | |
|----------------------------------------------------------------------------------------|--------------------------------------|
| - Appearance: | |
| - Form: | Fluid |
| - Important information on protection of health and environment, and on safety. | |
| - Self-inflammability: | Product is not selfigniting. |
| - Explosive properties: | Product is not potentially explosive |

- Information with regard to physical hazard classes

- | | |
|-------------------------------|------|
| - Explosives | Void |
| - Flammable gases | Void |
| - Aerosols | Void |
| - Oxidising gases | Void |
| - Gases under pressure | Void |
| - Flammable liquids | Void |

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- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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:**
strong oxidizing agents
bases
- **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 that are relevant for classification:

111-76-2 2-butoxyethanol

Oral	LD50	1,414 mg/kg (guinea pig) 1,200 mg/kg (ATE) 1,000-2,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat) 1,000-2,000 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	450-900 mg/l (rat)
85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		
Oral	LD50	1,800 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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.

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- **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.
- **11.2 Information on other hazards**

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

111-76-2 2-butoxyethanol

LC 50 / 96 h	1,474 mg/l (Oncorhynchus mykiss) (OECD 203)
EC 50 / 48 h	1,550 mg/l (Daphnia magna) (OECD 202)
	164 mg/l (Crustacea)
EC 50 / 96 h	720 mg/l (Algae)
EC 50 / 16 h	>700 mg/l (Pseudomonas putida)
EC 50 / 72 h	623 mg/l (Algae)
	911-1,840 mg/l (Pseudokirchneriella subcapitata)

85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

LC 50 / 96 h	>1-10 mg/l (Oncorhynchus mykiss) (OECD 203)
EC 50 / 48 h	>1-10 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	>10-100 mg/l (Desmodemus subspicatus) (OECD 201)
NOEC	0.508 mg/l (Daphnia magna)

- 12.2 Persistence and degradability

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.

111-76-2 2-butoxyethanol

Biodegradability	95 % (OECD 301 E)
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85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Biodegradability	90.8 % (OECD 301 D) (EMPLA 67/2007)
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- **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.

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- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Contact manufacturer for recycling information.
The aforementioned recommendations apply to the unused product (e.g. residues)
When appropriately used, the product should end up as sewage.
A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.
- **Waste disposal key number:**
Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
- **Uncleaned packagings:** Disposal must be made according to official regulations.
- **Recommendation:**
Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.
Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

- 14.1 UN number or ID number	Void
- ADR/RID, IMDG, IATA	Void
- 14.2 UN proper shipping name	Void
- ADR/RID, IMDG, IATA	Void
- 14.3 Transport hazard class(es)	Void
- ADR/RID, IMDG, IATA	Void
- Class	Void
- 14.4 Packing group	Void
- ADR/RID, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- Marine pollutant:	No
- 14.6 Special precautions for user	Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.

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- UN "Model Regulation":	Void
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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** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **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**
- **Regulation (EC) No 273/2004 on drug precursors**
- None of the ingredients is listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
- None of the ingredients is listed.
- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
- None of the ingredients is listed.
- **VOC (EU) 50.9 g/l**
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Application:** Directions for use: please refer to the Technical Information Sheet
- **UFI market placements:**
- **Relevant phrases**
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
- **Department issuing data specification sheet:** see item 1: Informing department
- **Date of previous version:** 06.12.2022
- **Abbreviations and acronyms:**
RPE: Respiratory Protective Equipment
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * **Data compared to the previous version altered.**

EUE