

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.12.2022

Version number 102.01

Revision: 27.12.2022

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

- 1.1 Product identifier

- Trade name **Multiclean 20**

- UFI: 0473-A0MF-X004-42S0

- 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 material/ Detergent

Industrial use

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Riepe GmbH & Co. KG

Theodor Rosenbaum Str. 28-30

32257 Bünde - Deutschland

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E-mail: info@riepe.eu

- 1.4 Emergency telephone number:

Poison Control Center, Mainz

Tel. 00 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.

- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description: Mixture of the substances listed below with harmless additions

- Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	2.5-10%
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- Additional information For the wording of the listed hazard phrases refer to section 16.

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- Composition/Ingredients

Constituents according to EC-Regulation 648/2004:

< 5 % non-ionic surfactants,

SECTION 4: First aid measures**- 4.1 Description of first aid measures****- General advice:** No special measures required.**- After inhalation** Supply fresh air.**- After skin contact**

The product is not skin irritating.

Wash with water.

- After eye contact

Rinse opened eye for 15 minutes under running water.

Consult a doctor in case of symptoms.

- After swallowing

Rinse out mouth with 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**

Formation of dangerous gases and vapors possible in case of fire.

- 5.3 Advice for firefighters**- Protective equipment:** Wear self-contained breathing apparatus.**- Additional information**

Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures**- 6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources

- 6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

- 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.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle container with care.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Do not store with strong oxidizing agents.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- DNELs

64-17-5 ethanol

Oral	DNEL (population)	87 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	8,238 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	380 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	114 mg/m ³ (Long-term, systemic effects)

- PNECs

64-17-5 ethanol

PNEC water	2.75 mg/l (intermittent releases)
	0.96 mg/l (freshwater)
	0.79 mg/l (marine water)
PNEC sediment	3.6 mg/kg dw (freshwater)
	2.9 mg/kg dw (marine water)
PNEC soil	0.63 mg/kg dw (soil)
PNEC STP	580 mg/l (sewage plant)

- **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.
Avoid contact with the eyes and skin.
Gases, fumes and aerosols should not be inhaled.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Hand protection**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves** Butyl rubber, BR

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- 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.

- Eye/face protection Safety glasses recommended during refilling.**- Body protection:** Standard protective working clothes

* SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information**

- Colour:	Colourless
- Smell:	Characteristic
- Odour threshold:	Not determined.
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	Not determined
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	3.5 Vol %
- Upper:	15 Vol %
- Flash point:	Data for ethanol. keine selbstunterhaltende Verbrennung, gemäß UN Handbuch Prüfungen und Kriterien, Kapitel 32.5, Prüfung L2.
- Decomposition temperature:	Not determined.
- pH at 20 °C	11.4 (Konz.)
- pH-value:	
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Solubility	
- Water:	Fully miscible
- Partition coefficient n-octanol/water (log value)	Not determined.
- 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	0.988 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 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**- Evaporation rate** Not determined.**- Information with regard to physical hazard classes****- Explosives** Void**- Flammable gases** Void

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- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- 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** Avoid all sources of ignition: heat, sparks, open flames.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:**
Formation of carbon monoxide and carbon dioxide in case of fire.

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:**

64-17-5 ethanol

Oral	LD50	10,470 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC 50 / 4 h	>50 mg/l (rat) (OECD 403) >20 mg/l (mouse)

- **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.
- **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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- STOT-repeated exposure:**64-17-5 ethanol**

Oral NOAEL 1,760 mg/kg (rat) (OECD 408, 90 d, target organ: liver)

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

78-93-3 2-Butanone

List II

SECTION 12: Ecological information

- 12.1 Toxicity**- Aquatic toxicity:****64-17-5 ethanol**LC 50 / 48 h 8,140 mg/l (*Leuciscus idus*)EC 50 / 48 h >10,000 mg/l (*Daphnia magna*)EC 50 / 72 h 275 mg/l (*Chlorella vulgaris*) (OECD 201)**- 12.2 Persistence and degradability** There is no information on the product 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** For information on endocrine disrupting properties see section 11.**- 12.7 Other adverse effects****- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):****64-17-5 ethanol**EC 50 (static) >100 mg/l (*Chlorella pyrenoidosa*) (OECD 201)**- 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**

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.

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SECTION 14: Transport information

- 14.1 UN number or ID number - ADR/RID, IMDG, IATA	Void
- 14.2 UN proper shipping name - ADR/RID, IMDG, IATA	Void
- 14.3 Transport hazard class(es) - ADR/RID, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR/RID, IMDG, IATA	Void
- 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.
- UN "Model Regulation":	Void

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	
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- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	
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- National regulations	
- Other regulations, limitations and prohibitive regulations	
- Substances of very high concern (SVHC) according to REACH, Article 57	
None of the ingredients is listed.	
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

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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.

- **Department issuing data specification sheet:** see item 1: Informing department

- **Abbreviations and acronyms:**

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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)

ISO: International Organisation for Standardisation

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

Flam. Liq. 2: Flammable liquids – Category 2

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

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

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