

s&m cleaning additive**No Change Service!**Version
01.10Revision Date:
30.11.2016Date of last issue: 16.12.2015
Date of first issue: 07.09.2001**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : s&m cleaning additive

1.2 Relevant identified uses of the substance or mixture and uses advised againstUse of the Sub-
stance/Mixture : Cleaning agentRecommended restrictions
on use : Restricted to professional users.**1.3 Details of the supplier of the safety data sheet**Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 222851 Norderstedt
Germany
Telephone: +49 (0)40/ 52100-0
Telefax: +49 (0)40/ 52100318
mail@schuelke.com
www.schuelke.comE-mail address of person
responsible for the
SDS/Contact person : Application Department
+49 (0)40/ 521 00 8800
ADHI@schuelke.com
(Schülke & Mayr UK Ltd.: +44-1142543500)**1.4 Emergency telephone number**Emergency telephone num-
ber : UK Poisons Emergency number: 0870 600 6266Emergency telephone num-
ber : +49 (0)40/ 52100-0**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Special labelling of certain
mixtures : Labelling according to Regulation (EC) No. 648/2004: (5 - 15 %
non-ionic surfactants, perfumes)
Contains Linalool, Hexyl cinnamal, Citronellol, Benzylsalicylate,
(Benzylloxy)-methanol, Butylphenyl methylpropional, Alpha-
Isomethionone**2.3 Other hazards**

No information available.

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Chemical nature : Solution of the following substances with harmless additives.

Hazardous components

Chemical name	Index-Number CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
2-(2-Butoxyethoxy)-ethanol	603-096-00-8 112-34-5 203-961-6 01-2119475104-44-XXXX	Eye Irrit. 2; H319	1 - 5
69011-36-5	--- ---	Acute Tox. 4; H302 Eye Dam. 1; H318	1 - 5
Alcohol alkoxyated	--- --- Polymer	Acute Tox. 4; H302 Skin Irrit. 2; H315	1 - 5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General advice : Take off all contaminated clothing immediately.
 In case of skin contact : Wash off immediately with plenty of water.
 In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 If swallowed : Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. Consult a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Treat symptomatically.,

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures**5.1 Extinguishing media**Suitable extinguishing media : Dry powder, Foam, Water spray jet, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- : No information available.

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fighting

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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

Personal precautions : Increased risk of slipping in the presence of leaked / spilled product.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning upMethods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
After cleaning, flush away traces with water.**6.4 Reference to other sections**

see Section 8 + 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Prepare the working solution as given on the label(s) and/or the user instructions.

Advice on protection against fire and explosion : No special protective measures against fire required.

Hygiene measures : Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Keep away from heat.

Advice on common storage : No materials to be especially mentioned.

7.3 Specific end use(s)

Specific use(s) : none

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-(2-Butoxyethoxy)-ethanol	112-34-5	Short term exposure limit	15 ppm 101,2 mg/m ³	EC/2000/39
		Permissible exposure limit	10 ppm 67,5 mg/m ³	EC/2000/39

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Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
2-(2-Butoxyethoxy)-ethanol	Workers	Skin contact	Long-term systemic effects	20 mg/kg
	Workers	Inhalation	Short-term exposure, Local effects	14 ppm
	Workers	Inhalation	Long-term exposure, Systemic effects, Local effects	10 ppm

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
2-(2-Butoxyethoxy)-ethanol	Fresh water	1 mg/l
	Marine water	0,1 mg/l
	Fresh water sediment	4 mg/kg
	Marine sediment	0,4 mg/kg
	Soil	0,4 mg/l
	Sewage treatment plant	200 mg/l

8.2 Exposure controls

Personal protective equipment

Hand protection

Directive

: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Remarks

: Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

Protective measures

: Avoid contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: violet
Odour	: pleasant
Odour Threshold	: not determined
pH	: 9,5, 20 °C, concentrate
Melting point/freezing point	: < -8 °C
Decomposition temperature	: No data available

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Boiling point/boiling range	: > 98 °C
Flash point	: > 100 °C, ISO 2719
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: ca. 1,04 g/cm ³ , 20 °C
Solubility(ies)	
Water solubility	: in all proportions , 20 °C
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: > 250 °C
Viscosity	
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

None reasonably foreseeable.

10.4 Conditions to avoid

Do not store at temperatures above 35°C.

10.5 Incompatible materials

None reasonably foreseeable.,

10.6 Hazardous decomposition products

None reasonably foreseeable.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity	: Based on available data, the classification criteria are not met.
Acute inhalation toxicity	: Based on available data, the classification criteria are not met.
Acute dermal toxicity	: Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product:

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

Serious eye damage/eye irritation**Product:**

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

Respiratory or skin sensitisation**Product:**

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

Germ cell mutagenicity**Product:**

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Carcinogenicity**Product:**

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

Reproductive toxicity**Product:**

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

STOT - single exposure**Product:**

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

STOT - repeated exposure**Product:**

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

Aspiration toxicity**Product:**

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

Further information**Product:**

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information**12.1 Toxicity****Product:**

Ecotoxicology Assessment
Acute aquatic toxicity

: This product has no known ecotoxicological effects.

Components:

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2-(2-Butoxyethoxy)-ethanol:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 1.300 mg/l

Toxicity to daphnia and other
aquatic invertebrates : EC50 (Daphnia magna): > 100 mg/l, 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

Alcohol alkoxyated:

Toxicity to fish : No data available

Toxicity to daphnia and other
aquatic invertebrates : No data available

Toxicity to algae : No data available

12.2 Persistence and degradability**Product:**

Biodegradability : Readily biodegradable., OECD 301D / EEC 84/449 C6

Chemical Oxygen Demand
(COD) : 360 mg/l**Components:****2-(2-Butoxyethoxy)-ethanol:**Biodegradability : rapidly biodegradable, Biodegradation: 80 - 90 %, Exposure
time: 28 d, OECD Test Guideline 301C**12.3 Bioaccumulative potential****Product:**

|| Bioaccumulation : No data available

Components:**2-(2-Butoxyethoxy)-ethanol:**

Bioaccumulation : Accumulation in aquatic organisms is unlikely.

Partition coefficient: n-
octanol/water : log Pow: 1**Alcohol alkoxyated:**

Bioaccumulation : No data available

12.4 Mobility in soil**Product:**

Mobility : No data available

Components:**2-(2-Butoxyethoxy)-ethanol:**

Mobility : Not expected to adsorb on soil.

Alcohol alkoxyated:

Mobility : No data available

12.5 Results of PBT and vPvB assessment**Product:**

Assessment : No information available.

12.6 Other adverse effects**Product:**Additional ecological infor-
mation : No information on ecology is available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.
- Contaminated packaging : Take empty packaging to the recycling plant.
- Waste key for the unused product : European waste catalog (EWC) 070601
- Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

For personal protection see section 8.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Legislation on the control of major-accident hazards involving dangerous substances : Directive 96/82/EC does not apply

Volatile organic compounds : none, Directive 2010/75/EC on the limitation of emissions of volatile organic compounds

Other regulations : The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this asser-

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tion 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. Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

15.2 Chemical safety assessment

Exempt

SECTION 16: Other information**Full text of H-Statements**

H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Skin Irrit. : Skin irritation

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule

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for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008

, : Calculation method

|| Changes compared with the previous edition!!!

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