

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

### BuuMosol® Cleaner flüssig

according to current guidelines: 01.01.2023

total pages: 1-8

## Section 1 - Identification of the substance or mixture and of the company

### 1.1 Product identifier - Trade name

- **BuuMosol® Cleaner flüssig**  
tested and approved by the MPA- Dortmund as a cleaning concentrate for degreasing and cleaning of oil spills in the industrial, commercial and community sectors as well as all public transport areas - **road cleaning**

### 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

### 1.3 Manufacturer/ Supplier of the safety data sheet

- BuuM Herstellung und Vertrieb  
umwelttechnischer Produkte GmbH & Co. KG  
Hamburger Str. 27 D  
D-22952 Lütjensee

### 1.4. Information department / Emergency phone

- Office / Sale  
Phone 0049-4154-7351

## Section 2 - Hazards Identification

### 2.1. Classification of the substance or mixture

- **Classification according to Regulation (EC) No. 1272/2008**  
eye dam. 1 H318 causes serious eye damage.  
skin sens.1 H317 may cause an allergic skin reaction.

### 2.2. Label elements

- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the **CLP** regulation.
- **Hazard pictograms**



GHS05



GHS07

(Continued from page 1 on page 2)

- **Signal – danger/ customs tariff number 34029090**
- **Hazard-determining components of labelling**  
Alcohols, C12-14, ethoxylated  
N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β-alanine  
2-methyl-2H-isothiazol-3-one
- **Hazard statements**  
H318 - causes serious eye damage  
H317 - may cause an allergic skin reaction
- **Precautionary statements**  
P101 - if medical advice is needed, have product container or label at hand.  
P102 - keep out of reach of children.  
P260 - do not inhale mist/ vapours/ spray.  
P280 - wear protective gloves/ eye protection/ face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
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.  
P333+P313 - if skin irritation or rash occurs: get medical advice/ attention.  
P501 - dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

### 2.3. Other hazards

- **Results of PBT- and vPvB- assessment - not applicable**  
**PBT** (persistent, bioaccumulative and toxic)  
**vPvB** (very persistent and very bioaccumulative)

## Section 3 - Compostion/ Information on ingredients

### 3.1. Chemical characterisation - Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components**

CAS: 68439-50-9	Alkohole, C12-14, ethoxyliert	≥10-25%
NLP: 500-213-3	Xi R41; N R50 Eye Dam.1, H318; Aquatic Acute 1, H400; Aquatic Chronic 3, H412	
CAS: 64265-45-8	N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β -alanine	≥2,5-10%
EINECS: 264-761-2	Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 10101-89-0	trisodium orthophosphate-12-hydrate	≤ 2,5%
EINECS: 231-509-8	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 2682-20-4	2-Methyl-2H-isothiazol-3-on	≥0,0015- <0,025%
EINECS: 220-239-6	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071 Spezifische Konzentrationsgrenze: Skin Sens. 1A; H317: C ≥ 0,0015 %	
- **Regulation (EC) No. 648/2004 on detergents / labelling for contents**

non-ionic surfactants	≥15 - 30%
amphoteric surfactants, phosphates	< 5%
preservation agents (BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE)	

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## **Section 4 - First aid measures**

### **4.1. Description of first aid measures**

- **general information:** Immediately remove any clothing soiled by the product.
- **after inhalation:** Supply fresh air and preventively seek medical attention.  
In case of unconsciousness place patient in stable side position for transportation.
- **after skin contact:** Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **after eye contact:** Rinse opened eye for several minutes under running water.  
Then consult a doctor.
- **after swallowing:** Rinse out mouth and then drink plenty of water. Seek medical treatment.

### **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 - Fire-fighting procedures**

### **5.1. Extinguishing media**

- CO<sub>2</sub>, powder or water spray.  
fight larger fires with water spray or alcohol resistant foam.

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

- No further relevant information available.

### **5.3. Advice for firefighters**

- **Protective equipment:** wear self-contained respiratory protective device.
- **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**

- not required

### **6.2. Environmental precautions**

- Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

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

- Absorb with liquid-binding material (universal binding agent). Ensure adequate ventilation.

### **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 disposal information

## Section 7 - Handling and storage

### 7.1. Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- **Information about fire- and explosion protection** - No special measures required.

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

- **storage:** Store only in the original packaging
- **information about storage in one common storage facility:** not required
- **Further information about storage conditions**  
Protect from frost, heat and direct sunlight. Keep container tightly sealed.
- **storage class: 12/ Non-flammable liquids**  
classification according to ordinance on industrial safety: ----

### 7.3. Specific end uses

- No further relevant information available.

## Section 8 - Exposure controls/ personal protection

**Additional information about design of technical facilities:** no further data, see section 7.

### 8.1. Control parameters

- **Ingredients with limit 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.
- **Additional information:** The lists valid during the making 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:** Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes.
- **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection:** Protective gloves
- **Material of gloves-** Nitrile rubber, NBR Natural rubber, NR  
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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:** Tightly sealed goggles

## Section 9 - Physical and chemical properties

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

- **General Information/ Appearance**  
**form:** fluid  
**colour:** colourless  
**odour:** characteristic  
**odour threshold:** Not defined  
**pH-value at 20 °C:** 8,0 (DIN 19268)
- **Change in condition**  
**melting point/ melting range:** Undetermined  
**boiling point/ boiling range:** ca. 100 °C  
**flash point:** not applicable  
**flammability (solid, gaseous):** not applicable
- **Ignition temperature**  
**decomposition temperature:** not defined  
**self-igniting:** Product is not selfigniting.  
**danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits**  
lower: not determined  
upper: not determined  
oxidising properties: not determined  
vapour pressure at 20 °C: 23 hPa (hectopascal)  
density at 20 °C: 1,025 g/cm<sup>3</sup> (DIN 51757)  
relative density: not determined  
vapour density: not determined  
evaporation rate: not determined  
solubility in/ miscibility with water: fully miscible  
partition coefficient (n-octanol/ water): not determined
- **Viscosity**  
dynamic: not determined  
kinematic: not determined

### 9.2. Other information/ Important information on protection of health and environment, and on safety.

- **Information with regard to physical hazard classes**  
**Explosive properties/ Oxidising properties:** No further relevant information available.
- **Flammable gases:** Void
- **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:** 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 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 relevant for classification:**
- **68439-50-9 Alcohols, C12-14, ethoxylated** - Oral LD50 > 2000 mg/kg (rat)
- **64265-45-8 N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β -alanine**  
Oral LD50 > 2000 mg/kg (rat) (OECD 423)
- **10101-89-0 trisodium orthophosphate**  
Oral LD50 >2.000 mg/kg (rat)  
Dermal LD50 >2.000 mg/kg (rat)
- **2682-20-4 2-methyl-2H-isothiazol-3-one**  
Oral LD50 391 mg/kg (rat)  
Dermal LD50 326 mg/kg (rabbit)
- **Skin corrosion/ irritation:**  
Based on available data, the classification criteria are not met.
- **Serious eye damage/ irritation:** Causes serious eye damage.
- **Respiratory or skin sensitisation:** May cause an allergic skin reaction.
- **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.
- **Additional toxicological information:**  
**Repeated dose toxicity:** No further relevant information available.
- **CMR effects**  
**(carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

### 11.2. Information on other hazards

- **Endocrine disrupting properties:** None of the ingredients is listed.

## Section 12 - Ecological information

### 12.1. Toxicity

- **aquatic toxicity:**

#### **68439-50-9 Alcohols, C12-14, ethoxylated**

EC50	0,1-1 mg/l (Algae, Growth inhibition test)
	0,1-1 mg/l (Daphnia magna) (48 h)
	0,1-1 mg/l (fish) (96 h)

#### **64265-45-8 N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β-alanine**

NOEC 28 d	1.000 mg/l (Ratte)
	oral
ErC50/72 h	128 mg/l (Pseudokrichneriella subcapitata) (OECD 201)
LC50/96 h	>100 mg/l (Cyprinus carpio) (OECD 203)
EC50/3h	198 mg/l (Belebtschlamm) (OECD 209)
EC50/96 h	>100 mg/l (Daphnia magna) (OECD 202)

#### **10101-89-0 trisodium orthophosphate-12-hydrate**

LC50/96 h	>100 mg/l (Oncorhynchus mykiss)
EC50/48 h	>100 mg/l (Daphnia magna)
EC50/72 h	>100 mg/l (Desmodesmus subspicatus)

#### **2682-20-4 2-Methyl-2H-isothiazol-3-on**

NOEC 21 d	0,04 mg/l (Daphnia magna)
LC50/96 h	4,77 mg/l (Oncorhynchus mykiss)
EC50/48 h	0,93-1,9 mg/l (Daphnia magna)
EC50/3h	34,6 mg/l (Belebtschlamm) (DIN 38412-3)
EC50/72 h	0,158 mg/l (Selenastrum capricornutum)

**12.2. Persistence and degradability:** No further relevant information 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:** Not applicable.

### **12.6. Endocrine disrupting properties:**

The product does not contain substances with endocrine disrupting properties.

### **12.7. Other adverse effects/ Additional ecological information/ General notes:**

- 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 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

## Section 13 - Disposal considerations

### 13.1. Waste treatment methods - Recommendation

- Must not be disposed with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging - recommendation:**  
Disposal must be made according to official regulations.
- **Recommended cleansing agents** - Water, if necessary together with cleansing agents.

## Section 14 - Transport information

### 14.1. UN-Number (United Nations Dangerous Goods- number/ UNDG)

- **ADR, ADN, IMDG, IATA** - void
- **ADR \* void**  
(Accord européen relatif au transport international des marchandises Dangereuses par Route)  
"European Agreement concerning the International Carriage of Dangerous Goods by Road"
- **ADN \* void**  
(original version in French/Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure)  
"European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways"
- **IMDG \* void**  
(International Maritime Code for Dangerous Goods)
- **IATA \* void**  
(International Air Transport Association)

### 14.2. Proper UN- shipping name

- **ADR, ADN, IMDG, IATA** - void

### 14.3. Transport hazard classes

- **ADR, ADN, IMDG, IATA** - class void

### 14.4. Packing group

- **ADR, IMDG, IATA** - void

### 14.5. Environmental hazards

- Marine pollutant - no

### 14.6. Special precautions for users - not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL-agreement 73/78 and the IBC CODE

(international, worldwide applicable Convention for the Protection of the Marine Environment, Appendix II - Prevention of pollution by noxious liquid substances, International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk) - **Not applicable.**

- UN "Model Regulation": **According to the above specifications \*\* NO DANGEROUS \*\***



## Section 15 - Regulatory information

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

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **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**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS**  
(Upper limit value for the purpose of licensing under Article 5/ 3)  
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**  
None of the ingredients is listed.
- **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.

**15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## Section 16 - Other information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship
- **Relevant phrases**  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.

- **Abbreviations and acronyms:**

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 Harmonised System of Classification and Labelling of Chemicals  
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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 2: Acute toxicity – Category 2  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
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  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environm

**REACH-Verordnung - Registration, Evaluation, Authorisation and Restriction of Chemical**  
(Registrierung, Bewertung und Zulassung von Chemikalien)