

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

### BuuMosol® Cleaner flüssig

according to current guidelines: 01.01.2021

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

Manufacturer/ Supplier:

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

Information department / Emergency phone

- Office / Sale  
Phone 0049-4154-7351  
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## 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.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
**✘ Xi; Irritant/ Pictogram omitted, according to the new GHS Regulation (Globally Harmonised System) (Productions BEFORE 01/06/2015 may still be labeled with this symbol)**  
R41 risk of serious damage to eyes  
Xi sensitising  
R43 may cause sensitisation by skin contact  
The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system**  
The classification is according to the latest editions of the EU-lists and extended by specialised literature and company data.

## 2.2. Label elements

- **labelling according to Regulation (EC) No. 1272/2008**  
The product is classified and labelled according to the **CLP** regulation.  
(**C**lassification, **L**abelling and **P**ackaging of Substances and Mixtures)  
GHS (Globally Harmonised System of Classification and Labelling of Chemicals)  
(**Compulsory from 01.06.2015, new hazard pictograms**)

- **Hazard pictograms**



GHS05



GHS07

- **Signal - danger**
- **Hazard-determining components of labelling**  
alcohols, C12-14, ethoxylated  
N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β-alanine  
(= N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-b-alanin)
- **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.  
P103 - read label before use.  
P260 - do not inhale mist/ vapours/ spray.  
P280 - wear protective gloves/ eye protection/ face protection.  
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

### 3.2. Chemical characterisation - Mixtures

- Description/ Mixture of substances listed below with nonhazardous additions.
- Dangerous components  
CAS: 68439-50-9      alcohols, C12-14, ethoxylated      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]- $\beta$ -alanine 2,5-10%  
EINECS: 264-761-2 Xi R36; Xi R43  
eye irrit. 2, H319; skin sens. 1, H317

CAS: 7601-54-9 trisodium orthophosphate-12-hydrate  $\leq 2,5\%$   
EINECS: 231-509-8 Xi R36/38  
skin irrit. 2, H315; eye irrit. 2, H319

- Regulation (EC) No. 648/2004 on detergents / labelling for contents  
non-ionic surfactants 15 - 30%  
amphoteric surfactants, phosphates < 5%  
preservation agents (METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE)
- customs tariff number 34029090

**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

- wear self-contained respiratory protective device.
- 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 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 (Latex)  
The product is a mixture of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
- **Penetration time of the glove material**  
The exact break through time can be found out by the manufacturer of the protective gloves and has to be observed.
- **eye 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
- **Other information**  
No further relevant information available.

## Section 10 - Stability and reactivity

### 10.1. Reactivity - Chemical stability

- **thermal decomposition/ conditions to be avoided:**  
No decomposition if used according to specifications.

**10.2. Possibility of hazardous reactions:** No dangerous reactions known.

**10.3. Conditions to avoid:** No further relevant information available.

**10.4. Incompatible materials:** No further relevant information available.

**10.5 Hazardous decomposition products:** No dangerous decomposition products known.

## Section 11 - Toxicological information

### 11.1. Information on toxicological effects

- LC50: lethal concentration, 50 percent - LD50: lethal dose, 50 percent
- **Acute toxicity / LD/LC50 values relevant for classification:**
- **68439-50-9 Alcohols, C12-14, ethoxylated** - Oral LD50 > 5000 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)
- **SEQUION 40 NA 32** - Oral LD50 2000 mg/kg (rat) (OECD 401)
- **7601-54-9 trisodium orthophosphate-12-hydrate** - Oral LD50 7400 mg/kg (rat)
- **Primary irritant effect:**  
on the skin: No irritant effect.  
on the eye: Strong irritant with the danger of severe eye injury.  
sensitisation: Sensitisation possible through skin contact.  
repeated dose toxicity: No further relevant information available.
- **CMR effects** (carcinogenicity, mutagenicity and toxicity for reproduction)  
**No further relevant information available.**

## Section 12 – Ecological information

### 12.1. Toxicity

- **aquatic toxicity: 68439-50-9 Alcohols, C12-14, ethoxylated**  
EC50 0,52 mg/l (daphnia magna) (OECD 202)
- **64265-45-8 N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β-alanine**  
EC50/3h - 198 mg/l (belebtschlamm) (OECD 209)  
EC50/96 h - > 100 mg/l (daphnia magna) (OECD 202)  
ErC50/72 h - 128 mg/l (pseudokrichneriella subcapitata) (OECD 201)  
LC50/96 h - > 100 mg/l (cyprinus carpio) (OECD 203)
- **SEQUION 40 NA 32**  
EC50/48 h - > 200 mg/l (daphnia magna)  
LC50/96 h - >1000 mg/l (fish) (OECD 203)

**12.2. Persistence and degradability:** No further relevant information available.

**12.3. Bioaccumulative potential:** No further relevant information available.

### 12.4. Additional ecological information/ General notes:

- No further relevant information available.  
**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.

**12.5. Results of PBT- and vPvB- assessment** - Not applicable

**12.6. Other adverse effects:** No further relevant information available.

## Section 13 – Disposal considerations

### 13.1. Waste treatment methods

- 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 mixture

- **National regulations**  
**German Occupational Safety Ordinance (BetrSichV): -----**  
**water hazard class: 2 - hazard to water** (self-assessment)

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

## Abschnitt 16 - Other information

- This information is based on our present knowledge.
- The information does not have the significance of product guarantees on properties.
- The safety data sheet serves as description of the product in regards to necessary safety measures.
- **Relevant phrases**  
H315 - causes skin irritation  
H317 - may cause an allergic skin reaction  
H318 - causes serious eye damage  
H319 - causes serious eye irritation  
H400 - very toxic to aquatic life  
H412 - harmful to aquatic life with long lasting effects  
R36 - irritating to eyes  
R36/38 - irritating to eyes and skin  
R41 - risk of serious damage to eyes  
R43 - may cause sensitisation by skin contact  
R50 - very toxic to aquatic organisms

## Abbreviations and acronyms:

ADR: Accord européen sur le transport 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

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

## REACH-Verordnung - Registration, Evaluation, Authorisation and Restriction of Chemical