

EU-Safety data sheet according to Regulation 1907/2006, Article 31

BuuMosol® Cleaner flüssig

according to current guidelines: 01.01.2019

total pages: 8

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

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

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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)
(**C**ompulsory 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 - Composition/ Information on ingredients

3.2. Chemical characterisation - Mixtures

- Description/ Mixture of substances listed below with nonhazardous additions.
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NLP: No-Longer Polymers List
EINECS: European Inventory of Existing Commercial Chemical Substances

- Dangerous components

CAS: 68439-50-9 NLP: 500-213-3	alcohols, C12-14, ethoxylated Xi R41; N R50 eye dam. 1, H318; aquatic acute 1, H400; aquatic chronic 3, H412	10-25%
CAS: 64265-45-8 EINECS: 264-761-2	N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β -alanine Xi R36; Xi R43 eye irrit. 2, H319; skin sens. 1, H317	2,5-10%
CAS: 7601-54-9 EINECS: 231-509-8	trisodium orthophosphate-12-hydrate Xi R36/38 skin irrit. 2, H315; eye irrit. 2, H319	≤ 2,5%
- 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

- CO₂, 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
- 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)
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.
- 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/cm³ (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 (belebttschlamm) (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

- **PBT and vPvB:** Nnt 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.
- packaging - 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 * **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

REACH-Regulation



- **Registration, Evaluation, Authorisation and Restriction of Chemical**
- The ordinance regulates the manufacture, marketing and handling of industrial chemicals.
- Emphases of regulation are a general obligation to register for all EU manufactured or imported substances with the European Chemicals Agency (ECHA European Chemicals Agency), the evaluation of these substances by the Member States of the EU and the further regulation of certain hazardous substances.
- Manufacturers, importers and downstream users **must register their chemicals.**
- The **GHS** label (**G**lobally **H**armonised **S**ystem of Classification and Labeling of Chemicals) and **CLP** labeling (**C**lassification, **L**abelling and **P**ackaging of Substances and Mixtures) for mixtures according to EU1272/2008 (inkl.790/2009/EU) are **mandatory since 01/06/2015.**
- The aim of this regulation is a high level of protection for human health and the environment as well as to ensure the free movement of goods within the common European inland transport of chemical substances, mixtures and certain specific articles.