

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.07.2021

Version number 4.00

Revision: 15.07.2021

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

- **1.1 Product identifier**
- **Trade name: Quickol**
- **Article number:** 9095/4.00
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
Dry-cleaning
Spotting agent, stain remover
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **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**



GHS02 GHS05 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**
benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine

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n-butyl acetate
benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves / eye 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.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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
Dangerous components:

CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	< 25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	< 25%
CAS: 85186-10-3 EINECS: 285-993-0 Reg.nr.: Not applicable*	benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine Eye Dam. 1, H318; Skin Irrit. 2, H315	< 20%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Hydrocarbons, C 9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	< 10%
CAS: 68411-30-3 EINECS: 270-115-0 Reg.nr.: Not applicable*	benzenesulfonic acid, C10-13-alkyl derivs., sodium salts Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	< 10%
EC number: 927-285-2 Reg.nr.: 01-2119480162-45-xxxx	Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304, EUH066	< 2.5%

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· **Regulation (EC) No 648/2004 - Labelling for contents**

anionic surfactants	≥15 - <30%
aromatic hydrocarbons	≥5 - <15%
aliphatic hydrocarbons	<5%

· **Additional information**

For the wording of the listed hazard phrases refer to section 16.

*exempted according to REACH Article 2(7) and Annex V. Each starting material of the ionic mixture is registered, as required.

Note: under REACH there is no legal requirement to provide justification for absence of Registration number. This is provided for clarity and consistency reasons.

EG 918-668-5; CAS 64742-95-6: Note P :

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Remove casualties from exposure.

Keep unprotected persons away.

Immediately remove any clothing soiled by the product.

· **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact**

Immediately rinse with water.

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.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

Eye damage

Skin irritation

Headache

Vertigo

Nausea

Unconsciousness

· **4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment

EU

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
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**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Keep away from ignition sources
Ensure adequate ventilation
Do not breathe gases/ vapours.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite)
Send for recovery or disposal in suitable receptacles.
- **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**
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Formation of explosive vapour- / air mixture possible.
Protect against electrostatic charges.
Flammable gas-air mixtures may form in empty receptacles.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidising agents.
Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Protect from frost.
- **Storage class 3**
- **7.3 Specific end use(s)** Dry-cleaning

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m ³ , 150 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

IOELV	Long-term value: 308 mg/m ³ , 50 ppm
	Skin

· **Regulatory information** IOELV: (EU) 2019/1831

· **DNELs**

CAS: 123-86-4 n-butyl acetate

Oral	DNEL	11 mg/kg (day) (worker (long term - systemic))
Dermal	DNEL	11 mg/kg (day) (worker (acute/short term - systemic))
Inhalative	DNEL	600 mg/m ³ (worker (acute/short term - local))
		600 mg/m ³ (worker (acute/short term - systemic))
		300 mg/m ³ (worker (long term - local))
		300 mg/m ³ (worker (long term - systemic))

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Dermal	DNEL	283 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	308 mg/m ³ (worker (long term - systemic))

Hydrocarbons, C 9, aromatics

Dermal	DNEL	25 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	150 mg/m ³ (worker (long term - systemic))

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· **PNECs**

CAS: 123-86-4 n-butyl acetate

PNEC	35.6 mg/l (STP (sewage treatment plant)) 0.018 mg/l (Marine water) 0.36 mg/l (Intermittent releases) 0.18 mg/l (Freshwater)
PNEC	0.0903 mg/kg dw (Soil) 0.0981 mg/kg dw (Sediment (marine water)) 0.981 mg/kg dw (Sediment (freshwater))

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

PNEC	4,168 mg/l (STP (sewage treatment plant)) 1.9 mg/l (Marine water) 190 mg/l (Intermittent releases) 19 mg/l (Freshwater)
PNEC	2.74 mg/kg dw (Soil) 7.02 mg/kg dw (Sediment (marine water)) 70.2 mg/kg dw (Sediment (freshwater))

· **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**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / vapours / aerosols.

· **Respiratory protection:**

Ensure good ventilation/exhaustion at the workplace.

Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Combination filter ABEK-P2

· **Hand protection**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

PE/EVAL/PE

Butyl rubber, BR

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.

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- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
PE/EVAL/PE
Recommended thickness of the material: ≥ 0.4 mm
- **Eye/face protection** Tightly sealed goggles.
- **Body protection:** Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- | | |
|---|--|
| · Physical state | Fluid |
| · Colour: | Light yellow |
| · Odour: | Solvent-like |
| · Odour threshold: | No further relevant information available. |
| · Melting point/freezing point: | undetermined |
| · Boiling point or initial boiling point and boiling range | undetermined |
| · Flammability | No further relevant information available. |
| · Lower and upper explosion limit | |
| · Lower: | No further relevant information available. |
| · Upper: | No further relevant information available. |
| · Flash point: | 32 °C (EN 22719) |
| · Auto-ignition temperature: | No further relevant information available. |
| · Decomposition temperature: | No further relevant information available. |
| · pH (100 g/l) at 20 °C | ~ 7.5 |
| · Viscosity: | |
| · Kinematic viscosity | No further relevant information available. |
| · Solubility | |
| · Water: | Not miscible or difficult to mix |
| · Partition coefficient n-octanol/water (log value) | No further relevant information available. |
| · Vapour pressure: | No further relevant information available. |
| · Density and/or relative density | |
| · Density at 20 °C: | ~ 0.97 g/cm ³ (ISO 2811) |
| · Relative density | No further relevant information available. |
| · Relative gas density | No further relevant information available. |
| · Particle characteristics | No further relevant information available. |

· 9.2 Other information

- | | |
|--------------------------------|---|
| · Form: | Liquid |
| · Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · Oxidising properties | No further relevant information available. |

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- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids**
Flammable liquid and vapour.
- **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**
Stable under normal ambient conditions.
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Forms flammable gases / fumes
- **10.4 Conditions to avoid**
Protect from heat and direct sunlight.
Keep away from ignition sources
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** None if used as directed.

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:**

ATE (Acute Toxicity Estimates)

Oral	LD50	21,090 mg/kg (rat)
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CAS: 123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
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Dermal	LD50	> 14,112 mg/kg (rabbit) (OECD 402)
CAS: 34590-94-8 (2-methoxymethylethoxy)propanol		
Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	9,510 mg/kg (rabbit)
Inhalative	LC50 (7h)	3.35 mg/l (rat)
CAS: 85186-10-3 benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine		
Oral	LD50	2,550 mg/kg (rat)
Hydrocarbons, C 9, aromatics		
Oral	LD50	3,592 mg/kg (rat) (OECD 401)
Dermal	LD50	> 3,160 mg/kg (rabbit) (OECD 402)
CAS: 68411-30-3 benzenesulfonic acid, C10-13-alkyl derivs., sodium salts		
Oral	LD50	1,080 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)
Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics		
Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 3,160 mg/kg (rabbit)

- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **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**
May cause drowsiness or dizziness.
- **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.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 123-86-4 n-butyl acetate

EC50	647.7 mg/l (Aquatic plants, algae) (Desmodesmus subspicatus; 72h)
	44 mg/l (Aquatic invertebrates) (Daphnia magna; 48h)
LC50	18 mg/l (Fish) (Pimephales promelas; 96h; OECD 203)
NOEC	23 mg/l (Aquatic invertebrates) (Daphnia magna; 21 d; OECD211)

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CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

EC50	> 969 mg/l (Aquatic plants, algae) (96 h; Pseudokirchneriella subcapitata; OECD 201) 1,919 mg/l (Aquatic invertebrates) (48 h; Daphnia; OECD 202)
LC50	> 1,000 mg/l (Fish) (96 h; Poecilia reticulata; OECD 203)

Hydrocarbons, C 9, aromatics

EL50	2.6 – 2.9 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata) 3.2 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
LL50	9.2 mg/l (Fish) (96 h; Oncorhynchus mykiss)

Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics

EC50 (48h)	> 1,000 mg/l (Aquatic invertebrates)
EC50 (72h)	> 1,000 mg/l (Aquatic plants, algae)
LC50 (96h)	> 1,000 mg/l (Fish) (96 h; Oncorhynchus mykiss; OECD 203)
EL50	> 1,000 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata; OECD 201) > 1,000 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
LL50	> 1,000 mg/l (Fish) (96 h; Oncorhynchus mykiss; OECD 203)

· **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**

· **PBT:** Not applicable.

· **vPvB:** 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:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

The product contains materials that are harmful to the environment.

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.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Disposal must be made according to official regulations.

· **Waste disposal key:**

The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.

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· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA** UN1993

· **14.2 UN proper shipping name**

· **ADR** 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, Hydrocarbons, C 9, aromatics)

· **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, Hydrocarbons, C 9, aromatics)

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class** 3 (F1) Flammable liquids.

· **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids.

· **Label** 3

· **14.4 Packing group**

· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **Hazard identification number (Kemler code):** 30

· **EMS Number:** F-E, S-E

· **Stowage Category** A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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· **Transport/Additional information:**

· **ADR**

- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **Transport category** 3
- **Tunnel restriction code** D/E

· **IMDG**

- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, HYDROCARBONS, C 9, AROMATICS), 3, III

SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

· **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **Regulation (EU) No 649/2012**

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**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **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.

· **Other information:** Product is for professional use only.

· **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**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Classification according to Regulation (EC) No 1272/2008**

Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

· **Version number of previous version:** 3.00

· **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)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - SVHC: Substances of Very High Concern
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Liq. 3: Flammable liquids – Category 3
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 - Asp. Tox. 1: Aspiration hazard – Category 1
 - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- *** Data compared to the previous version altered.**