

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

- 1.1 Product identifier
- Trade name: Unisol 1
- Article number: 5303800
- 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 Textile auxiliary
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Bussetti&Co Ges.m.b.H.
Rötzerlg. 57
1170 Wien
- Further information obtainable from: Labor
- 1.4 Emergency telephone number:

Poisons Information Centre
13 11 26 (anywhere in Australia)
0800 764 766 (anywhere in New Zealand)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R41: Risk of serious damage to eyes.

- Information concerning particular hazards for human and environment:
The product has to be labelled 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 company and literature data.

- 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
- Signal word Danger

- Hazard-determining components of labelling:

alcohols ethoxylated
sulfosuccinate sodium salt
N,N-bis(hydroxyethyl)amides

- Hazard statements

H318 Causes serious eye damage.

- Precautionary statements

P280 Wear protective gloves/protective clothing/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.

- 2.3 Other hazards Not applicable

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- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

alkyl ether alcohol ❗ Xi R36 ⚠ Eye Irrit. 2, H319	2,5-10%
alcohols ethoxylated ❗ Xn R22; ❗ Xi R41 ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	2,5-10%
sulfosuccinate sodium salt ❗ Xi R38-41 ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	2,5-10%
N,N-bis(hydroxyethyl)amides ❗ Xi R38-41 ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315	≤ 2,5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed
Disziness
Disziness
- 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
Foam
Fire-extinguishing powder
Carbon dioxide
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
In case of fire, the following can be released:
Carbon monoxide (CO)
- 5.3 Advice for firefighters
- Protective equipment:
Wear fully protective suit.
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.



Safety data sheet

according to 1907/2006/EC, Article 31

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **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, acid binders, universal binders, sawdust).
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**
Store in cool, dry place in tightly closed receptacles.
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:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

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

alkyl ether alcohol

IOELV (European Union)	Short-term value: 101,2 mg/m ³ , 15 ppm
	Long-term value: 67,5 mg/m ³ , 10 ppm

· **DNELs**

alkyl ether alcohol

Dermal	Acute - systemic effects, worker	20 mg/kg bw/day (.)
Inhalative	Acute - local effects, worker	101,2mg/m ³ --- (.)
	Long-term - local effects, worker	67,5 mg/m ³ (.)
	Long-term - systemic effects, worker	67,5 mg/m ³ (.)

· **DNEL (Derived No Effect Level) for the general population**

alkyl ether alcohol

Oral	Acute - systemic effects, general population	1,25 mg/kg bw/day (.)
Dermal	Acute - systemic effects, general population	10 mg/kg (.)
Inhalative	Acute - local effects, general population	50,6 mg/m ³ (.)
	Long-term - local effects, general population	34 mg/m ³ (.)
	Long-term - systemic effects, general population	34 mg/m ³ (.)

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· **PNECs**

alkyl ether alcohol

Aquatic compartment - freshwater	1 mg/L (.)
Aquatic compartment - marine water	0,1 mg/L (.)
Aquatic compartment - sediment in freshwater	4 mg/kg sed dw (.)
Aquatic compartment - sediment in marine water	0,4 mg/kg sed dw (.)
Terrestrial compartment - soil	0,4 mg/kg dw (.)

· **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.

Do not inhale gases / fumes / aerosols.

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.

· **Protection of hands:** Protective gloves

· **Material of gloves:** Butyl rubber, BR

· **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 protection:** Tightly sealed goggles

· **Body protection:** Protective work clothing

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 determined.

· **pH-value at 20 °C:** 9

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· **Flash point:** Not determined

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 200 °C

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

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- | | |
|--|--|
| · Density at 20 °C: | 1,016 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- 10.1 Reactivity metal corrosion
- 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
Store away from foodstuffs. Do not use without protective equipment, goggles, gloves.
- 10.5 Incompatible materials: Oxidising agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - Acute toxicity Based on available data, the classification criteria are not met.
 - LD/LC50 values relevant for classification:
- | | | |
|---------------------|------|------------------|
| alkyl ether alcohol | | |
| Oral | LD50 | 5660 mg/kg (rat) |
| Dermal | LD50 | 4000 mg/kg (rbt) |
- Primary irritant effect:
 - 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 Based on available data, the classification criteria are not met.
 - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
 - 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.

SECTION 12: Ecological information

- 12.1 Toxicity
 - Aquatic toxicity:
- | | |
|---------------------|-------------------------------------|
| alkyl ether alcohol | |
| EC50 | >100 mg/l (Desmodesmus subspicatus) |

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EC50/48 h	>100 mg/l (<i>Daphnia magna</i>)
LC 50	2850 mg/l (<i>Daphnia magna</i>)
	>100 mg/l (<i>leuciscus idus</i>)

· **12.2 Persistence and degradability**

alkyl ether alcohol

OECD 301 E >70 % (28 d)

OECD 302 B 100 % (.)

· **12.3 Bioaccumulative potential**

Due to the application in a closed system there is no potential to accumulate in the environment.

· **12.4 Mobility in soil** Due to the application in a closed system there is no potential to accumulate in the soil.

· **Additional ecological information:**

· **General notes:**

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:** Not applicable.

· **vPvB:** Not applicable.

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

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **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 user**

Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

Void

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SECTION 15: Regulatory information

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

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	2,5-10

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· 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.

· 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)

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

vPvB: very Persistent and very Bioaccumulative

SVHC: Substances of Very High Concern

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· * Data compared to the previous version altered.

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