

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

### 1.1 Product identifier

Trade name: **UNISOL 3**

Article number: 5304000

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.  
Rötzerger, 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



health hazard

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.



corrosion

Eye Dam. 1

H318 Causes serious eye damage.



Skin Irrit. 2

H315 Causes skin irritation.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

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



Xn; Harmful

R65:

Harmful: may cause lung damage if swallowed.



Xi; Irritant

R38-41: Irritating to skin. 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.

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- **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, GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
sulfosuccinate sodium salt  
Hydrocarbons  
N,N-bis(hydroxyethyl)amides
- **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P273 Avoid release to the environment.  
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.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- **2.3 Other hazards** Not applicable
- **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	10-25%
 Xi R36	
 Eye Irrit. 2, H319	
sulfosuccinate sodium salt	10-25%
 Xi R38-41	
 Eye Dam. 1, H318;  Skin Irrit. 2, H315	
Hydrocarbons	10-25%
 Xn R65	
R66	
 Asp. Tox. 1, H304	
glycol	2,5-10%
 Xn R22;  Xi R36	
 Acute Tox. 4, H302; Eye Irrit. 2, H319	
alkyl sulfonate	2,5-10%
 Xi R36/38	
 Skin Irrit. 2, H315; Eye Irrit. 2, H319	
alkyl alcohol	2,5-10%
 Xn R20/22	
 Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	

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

*No further relevant information available.*

• **Protective equipment:** Wear fully protective suit.

See Section 13 for disposal information.



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## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Keep receptacles tightly sealed.  
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:** Keep receptacle tightly sealed.
- **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 <sup>3</sup> , 15 ppm
	Long-term value: 67,5 mg/m <sup>3</sup> , 10 ppm

### · DNELs

alkyl ether alcohol

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

### · 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 <sup>3</sup> (.)
	Long-term - local effects, general population	34 mg/m <sup>3</sup> (.)
	Long-term - systemic effects, general population	34 mg/m <sup>3</sup> (.)

### · 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:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.

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Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **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

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

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** Not applicable

· **Eye protection:**

Safety glasses

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:	Yellow
Odour:	Characteristic
Odour threshold:	Not determined.

· **pH-value at 20 °C:** 7-8

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 34 °C

· **Flash point:** 73 °C

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

· **Ignition temperature:** 225 °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

· **Density at 20 °C:** 0,995 g/cm<sup>3</sup>

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

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- **Solubility in / Miscibility with water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic at 20 °C:** 19 mm<sup>2</sup>/s
- **9.2 Other information** No further relevant information available.

## 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 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)

#### sulfosuccinate sodium salt

Oral	LD50	1900 mg/kg (rat)
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#### Hydrocarbons

Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5000 mg/kg (rabbit) (24h OECD 402)
Inhalative	LC 50/8h	> 5000 mg/m <sup>3</sup> (rat) (OECD 403)

#### glycol

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Sensitisation	OECD 406	nicht sensibil. (guinea pig)
	Pr. Schleimhautreiz.	reizend (rabbit)

- **Primary irritant effect:**
- **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.
- **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.

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· **Aspiration hazard**  
May be fatal if swallowed and enters airways.

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## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

##### alkyl ether alcohol

EC50	>100 mg/l ( <i>Desmodesmus subspicatus</i> )
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> )

##### Hydrocarbons

OECD 201	>1000 mg/l 72h ( <i>Pseudokirchneriella subcapitata</i> )
OECD 202	>1000 mg/l ( <i>Daphnia magna</i> )
OECD 203	>1000 mg/l 96h ( <i>Onchorrhynchus mykiss</i> )

##### glycol

EC 50/48h	>500 mg/l (aquatic invertebrates)
EC 50/72h	>500 mg/l (aquatic plants)
EC10/17h	320 mg/l (activated sludge)
LC50/96 h	>100 mg/l ( <i>leuciscus idus</i> )
OECD 209	>100 mg/l (activated sludge)

### · 12.2 Persistence and degradability

#### alkyl ether alcohol

OECD 301 E	>70 % (28 d)
OECD 302 B	100 % (.)

#### Hydrocarbons

OECD 301 F	69 % (28 d)
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#### glycol

OECD 301 A	90-100 % (15 d)
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· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

#### · 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.

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## Safety data sheet

according to 1907/2006/EC, Article 31

Version number 27

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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### 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	25-50

- **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.

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### 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

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

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**Trade name: UNISOL 3***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**Skin Sens. 1: Skin sensitisation – Category 1**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.*

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