

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

1.1 Product identifier

· Trade name: **WINOL UNIVERSAL BIO REINIGER 1 L**

· Article number: **W170 120-1**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category **PC35** Washing and cleaning products (including solvent based products)

· Technical function **Cleaning agent**

· Application of the substance / the mixture **All-purpose cleaner**

Uses advised against

All applications that differ from the mentioned application in "application of the mixture", are advised against or have to be discussed with the supplier / producer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

WINKEL GmbH

· Lisztstraße 1

· 53881 Euskirchen - Germany

· Tel.: +49 2251 77 69 400-401

· Fax: +49 2251 77 69 402

· E-Mail: info@winkelgroup.de

· Internet: www.winkelgroup.de

· Informing department: info@winkel.com.tr

1.4 Emergency telephone number:

Information during office hours: +49 2251 77 69 400-401

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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



GHS07

· Signal word **Warning**

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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.

P264 Wash thoroughly after handling.

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.**

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- P321 Specific treatment (see on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Cleansing agent

· Dangerous components:

| | | |
|------------------------------------|---|---------|
| CAS: 141-43-5 EINECS: 205-483-3 | 2-aminoethanol ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332 | 2-<2.5% |
| CAS: 112-34-5 EINECS: 203-961-6 | 2-(2-Butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319 | 2-<2.5% |

· Ingredients conform 89/542/EG

| | |
|--|-----|
| non-ionic surfactants, cationic surfactants, amphoteric surfactants, colouring agent, perfumes, polycarboxylates, CITRAL | <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
- General information Instantly remove any clothing soiled by the product.
- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After skin contact Instantly wash with water and soap and rinse thoroughly.
- After eye contact
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing In case of persistent symptoms consult doctor.
- 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: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents
Use fire fighting measures that suit the environment.
Water
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: No special measures required.

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:
Dilute with much water.
Do not allow to enter drainage system, surface or ground water.

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- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container 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 systems:** No further data; see item 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

141-43-5 2-aminoethanol (2-<2.5%)

| | |
|-----|---|
| WEL | Short-term value: 7.6 mg/m ³ , 3 ppm |
| | Long-term value: 2.5 mg/m ³ , 1 ppm |
| | Sk |

112-34-5 2-(2-Butoxyethoxy)ethanol (2-<2.5%)

| | |
|-----|--|
| WEL | Short-term value: 101.2 mg/m ³ , 15 ppm |
| | Long-term value: 67.5 mg/m ³ , 10 ppm |

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **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**

Nitrile rubber, NBR

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**

> 0,5 mm / 240 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:** Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|---------------------------|-----------------|
| · Form: | Fluid |
| · Colour: | Blue |
| · Odour: | Pleasant |
| · Odour threshold: | Not determined. |

· **pH-value at 20 °C:** ~ 9,5

· Change in condition

| | |
|---|----------------|
| · Melting point/freezing point: | Not determined |
| · Initial boiling point and boiling range: | 100 °C |

· **Flash point:** >150 °C· **Inflammability (solid, gaseous)** Not applicable.

· Ignition temperature:

· **Decomposition temperature:** Not determined.· **Self-inflammability:** Product is not selfigniting.· **Explosive properties:** Product is not explosive.

· Critical values for explosion:

| | |
|-----------------|-----------------|
| · Lower: | Not determined. |
| · Upper: | Not determined. |

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

| | |
|---------------------------|-------------------------|
| · Density at 20 °C | ~ 1,0 g/cm ³ |
| · 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. |

· **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** Avoid creating mist or damp in rooms where no ventilation is present· **10.5 Incompatible materials:** No further relevant information available.· **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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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 that are relevant for classification:**

141-43-5 2-aminoethanol

| | | |
|--------|------|-------------------|
| Oral | LD50 | 2,050 mg/kg (rat) |
| Dermal | LD50 | 1,000 mg/kg (rbt) |

112-34-5 2-(2-Butoxyethoxy)ethanol

| | | |
|--------|------|-------------------|
| Oral | LD50 | 5,660 mg/kg (rat) |
| Dermal | LD50 | 4,000 mg/kg (rbt) |

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **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:**

141-43-5 2-aminoethanol

| | |
|----------|-------------------|
| LC50/96h | 150 mg/l (fish) |
| EC50/48h | 65 mg/l (daphnia) |
| EC50/72h | 15 mg/l (algae) |

112-34-5 2-(2-Butoxyethoxy)ethanol

| | |
|----------|-------------------|
| LC50/96h | 1,300 mg/l (fish) |
|----------|-------------------|

- **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.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

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: | Not applicable. |
| · 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. |
| · Transport/Additional information: | |
| · ADR | - |
| · Excepted quantities (EQ) | NOT SUBJECT TO ADR |
| · UN "Model Regulation": | Void |

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.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.

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· **Department issuing data specification sheet:**
Environment protection department.

info@winkel.com.tr

· **Contact:**

Technical Department

info@winkel.com.tr

· **Abbreviations and acronyms:**

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

· *** Data compared to the previous version altered.**

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