

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.07.2022

Version number 1

Revision: 14.07.2022

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

#### 1.1 Product identifier

Trade name: **Graconol WM**

Article number: 5 Ltr. 5360-0641 GRA  
20 Ltr. 5360-0642 GRA  
200 Ltr. 5360-0643 GRA

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

Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
Product category PC24 Lubricants, greases, release products  
Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
Environmental release category ERC2 Formulation into mixture  
Application of the substance / the mixture Coolant/ Cutting solution

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Manufacturer  
Graichen Produktions- und Vertriebs-GmbH  
Darmstädter Str. 127 - 129  
D-64625 Bensheim  
Tel.: +49(0)6251/73103  
Fax: +49(0)6251/77901  
e-mail: ehs@graichen-bensheim.de  
homepage: http://www.graichen.net

Further information obtainable from: Environment protection department

#### 1.4 Emergency telephone number:

During office hours: +49(0)6251/73103  
Out of office hours: +49(0)172/7478476  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008  
Hazard pictograms

The product is classified and labelled according to the GB CLP regulation.



GHS07

Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264

Wash thoroughly after handling.

P273

Avoid release to the environment.

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.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P337+P313 If eye irritation persists: 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

PBT: Not applicable.

vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Dangerous components:

CAS: 112-34-5	Dowanol DB	2.5 – 10%
EINECS: 203-961-6	⚠ Eye Irrit. 2, H319	
CAS: 78-96-6	isopropanolamine	< 2.5%
EINECS: 201-162-7	⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H312	

(Contd. on page 2)

GB

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.07.2022

Version number 1

Revision: 14.07.2022

**Trade name: Graconol WM**

		(Contd. of page 1)
CAS: 95-14-7 EINECS: 202-394-1	benzotriazole ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	< 2.5%
CAS: 101-83-7 EINECS: 202-980-7	dicyclohexylamine ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	< 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. If symptoms persist, consult a doctor.
- . After swallowing: Seek immediate medical advice.

**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: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

**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**

Not required.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of 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 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

- . Information about fire - and explosion protection: No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

- . Requirements to be met by storerooms and receptacles: No special requirements.
- . Information about storage in one common storage facility: Store away from foodstuffs.

- . Further information about storage conditions: Store receptacle in a well ventilated area.

**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

- . Ingredients with limit values that require monitoring at the workplace:

**CAS: 112-34-5 Dowanol DB**

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

- . 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: Keep away from foodstuffs, beverages and feed.

(Contd. on page 3)

GB

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.07.2022

Version number 1

Revision: 14.07.2022

**Trade name: Graconol WM**

(Contd. of page 2)

. Respiratory protection:	Immediately remove all soiled and contaminated clothing
. Hand protection	Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. Not required.
. Material of gloves	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
. Penetration time of glove material	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.
. Eye/face protection	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Tightly sealed goggles

**SECTION 9: Physical and chemical properties****. 9.1 Information on basic physical and chemical properties**

. General Information	
. Physical state	Fluid
. Colour:	Yellow
. Odour:	Pleasant
. Odour threshold:	Not determined.
. Boiling point or initial boiling point and boiling range	100 °C (CAS: 7732-18-5 Wasser (water, Aqua))
. Flammability	Not applicable.
. Flash point:	Not applicable.
. Ignition temperature:	> 240 °C
. Decomposition temperature:	Not determined.
. pH at 20 °C	9.6
. Viscosity:	
. Kinematic viscosity at 20 °C	190 mm²/s
. Dynamic:	Not determined.
. Solubility	
. water:	Fully miscible.
. Partition coefficient n-octanol/water (log value)	Not determined.
. Vapour pressure at 20 °C:	23 hPa (CAS: 7732-18-5 Wasser (water, Aqua))
. Density and/or relative density	
. Density at 20 °C:	0.95 g/cm³
. Relative density	Not determined.
. Vapour density	Not determined.

**. 9.2 Other information**

. Appearance:	
. Form:	Fluid
. Important information on protection of health and environment, and on safety.	
. Auto-ignition temperature:	Product is not selfigniting.
. Explosive properties:	Not determined.
. Solvent content:	
. Organic solvents:	2.5 %
. Water:	93.5 %
. VOC (EU) (%)	
. Solids content:	4.0 %
. Change in condition	
. Evaporation rate	Not determined.

**. Information with regard to physical hazard classes**

. Explosives	Void
. Flammable gases	Void
. Aerosols	Void
. Oxidising gases	Void
. Gases under pressure	Void
. Flammable liquids	Void
. 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

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.07.2022

Version number 1

Revision: 14.07.2022

**Trade name: Graconol WM**

(Contd. of page 3)

. Desensitised explosives

Void

**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:** Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

**SECTION 11: Toxicological information****. 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

. Acute toxicity

**ATE (Acute Toxicity Estimates)**

Oral ATE 50,000 mg/kg

Inhalative ATE 150 mg/l

**CAS: 95-14-7 benzotriazole**

Oral ATE 500 mg/kg (ATE)

Inhalative ATE 1.5 mg/l (ATE)

. LD/LC50 values relevant for classification:

**ATE (Acute Toxicity Estimates)**

Dermal LD50 82,000 mg/kg (rabbit)

**CAS: 112-34-5 Dowanol DB**

Oral LD50 5,660 mg/kg (rat)

Dermal LD50 4,000 mg/kg (rabbit)

**CAS: 78-96-6 isopropanolamine**

Oral LD50 4,260 mg/kg (rat)

Dermal LD50 1,640 mg/kg (rabbit)

**CAS: 101-83-7 dicyclohexylamine**

Oral LD50 373 mg/kg (rat)

- . Skin corrosion/irritation Causes skin irritation.
- . Serious eye damage/irritation Causes serious eye irritation.

**. 11.2 Information on other hazards**

. Endocrine disrupting properties

CAS: 95-14-7 benzotriazole

List II

**SECTION 12: Ecological information**

- . **12.1 Toxicity**
- . Aquatic toxicity: No further relevant information available.
- . **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** For information on endocrine disrupting properties see section 11.
- . **12.7 Other adverse effects**
- . Remark: Harmful to fish
- . Additional ecological information:
- . General notes: Harmful to aquatic organisms  
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 course or sewage system.

**SECTION 13: Disposal considerations****. 13.1 Waste treatment methods**

. European waste catalogue

HP14 Ecotoxic

(Contd. on page 5)

GB

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.07.2022

Version number 1

Revision: 14.07.2022

**Trade name: Graconol WM**

(Contd. of page 4)

- . Uncleaned packaging:
- . Recommendation: Non contaminated packagings may be treated like household garbage.
- . Recommended cleansing agents: Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| . <b>14.1 UN number or ID number</b>                                  |                 |
| . ADR, ADN, IMDG, IATA  | Void            |
| . <b>14.2 UN proper shipping name</b>                                 |                 |
| . ADR, ADN, IMDG, IATA  | Void            |
| . <b>14.3 Transport hazard class(es)</b>                              |                 |
| . ADR, ADN, IMDG, IATA  |                 |
| . Class   | Void            |
| . <b>14.4 Packing group</b>   |                 |
| . ADR, IMDG, IATA   | Void            |
| . <b>14.5 Environmental hazards:</b>                                  | Not applicable. |
| . <b>14.6 Special precautions for user</b>                            | Not applicable. |
| . <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| . 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
  - . **15.2 Chemical safety assessment:**
- None of the ingredients is listed.
- 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.

- . Department issuing SDS: Environment protection department.
- . 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - 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
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
  - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- . \* Data compared to the previous version altered.

GB