



# HG toilet cleaner gel super powerful

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2015/830.  
Issue date: 08/03/2023 Revision date: 20/04/2023 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : HG toilet cleaner gel super powerful  
UFI : H7SR-YWKJ-100A-JAWC  
Product code : 322 ART  
Type of product : Detergent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Toilet cleaners

##### 1.2.2. Uses advised against

Restrictions on use : All other uses not recommended above

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

##### Manufacturer

HG International B.V.  
P.J. Oudweg 41  
NL- 1314 CJ Almere  
The Netherlands  
T +31 (0)36 54 94 700  
[safety@hg.eu](mailto:safety@hg.eu) - [www.hg.eu](http://www.hg.eu)

##### Importer

HG UKI LTD  
Weston Business Centre  
Parsonage Road  
UK- CM22 6PU Takeley – Essex  
United Kingdom  
T +44 (0) 1206 822 744  
[www.hg.eu](http://www.hg.eu)

#### 1.4. Emergency telephone number

Emergency number : +31 (0)36 54 94 777  
Only for medical personnel  
Mon-Fri 09:00 AM - 05:00 PM (CEST)

| Country        | Organisation/Company  | Address                  | Emergency number | Comment                           |
|----------------|---|--------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital                     | Dudley Road<br>B18 7QH   | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road<br>SE14 5ER | +44 20 7188 7188 |                                   |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. Causes serious eye damage.

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: Glycollic acid

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P280 - Wear protective gloves, eye protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Child-resistant fastening

: Applicable

Tactile warning

: Applicable

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | Conc. (% w/w)       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|---------------------|---|
| Glycollic acid   | CAS-No.: 79-14-1<br>EC-No.: 201-180-5<br>REACH-no: 01-2119485579-17                               | $\geq 10 - < 15$    | Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318  |
| Alcohols, C9-11, ethoxylated   | CAS-No.: 68439-46-3   | $\geq 1$            | Eye Irrit. 2, H319  |
| formic acid ... %<br>substance with a Community workplace exposure limit (Note B)          | CAS-No.: 64-18-6<br>EC-No.: 200-579-1<br>EC Index-No.: 607-001-00-0<br>REACH-no: 01-2119491174-37 | $\geq 0.01 - < 1$   | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Inhalation:vapour), H331<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318  |
| formaldehyde ... %<br>substance with a Community workplace exposure limit (Note B)(Note D) | CAS-No.: 50-00-0<br>EC-No.: 200-001-8<br>EC Index-No.: 605-001-00-5<br>REACH-no: 01-2119488953-20 | $\geq 0.01 - < 0.1$ | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Carc. 1B, H350 |

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| Specific concentration limits: |   |  |
|--------------------------------|---|--|
| Name                           | Product identifier  | Specific concentration limits  |
| formic acid ... %              | CAS-No.: 64-18-6<br>EC-No.: 200-579-1<br>EC Index-No.: 607-001-00-0<br>REACH-no: 01-2119491174-37 | ( 2 ≤C < 10) Skin Irrit. 2, H315<br>( 2 ≤C < 10) Eye Irrit. 2, H319<br>( 10 ≤C < 90) Skin Corr. 1B, H314<br>( 90 ≤C ≤ 100) Skin Corr. 1A, H314                                   |
| formaldehyde ...%              | CAS-No.: 50-00-0<br>EC-No.: 200-001-8<br>EC Index-No.: 605-001-00-5<br>REACH-no: 01-2119488953-20 | ( 0.2 ≤C ≤ 100) Skin Sens. 1, H317<br>( 5 ≤C < 25) Skin Irrit. 2, H315<br>( 5 ≤C < 25) Eye Irrit. 2, H319<br>( 5 ≤C ≤ 100) STOT SE 3, H335<br>( 25 ≤C ≤ 100) Skin Corr. 1B, H314 |

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: '... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a physician immediately.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Call a physician immediately.   |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
| Fire hazard                                      | : Intense heat may cause container to burst.  |
| Hazardous decomposition products in case of fire | : Carbon dioxide. Carbon monoxide. Halogenated compounds. Nitrogen oxides. Metallic oxides. |

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### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Do not touch or walk on the spilled product. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool. Always keep container in upright position.  
Incompatible materials : Alkalis.  
Storage temperature : > 0 – < 30 °C  
Heat and ignition sources : Keep away from heat and direct sunlight.  
Special rules on packaging : Keep only in original container. Opened containers must be carefully closed and kept upright to avoid leakage.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

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| <b>formic acid ... % (64-18-6)</b>                        |  |
|---|--|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Formic acid  |
| IOEL TWA  | 9 mg/m <sup>3</sup>  |
| IOEL TWA [ppm]  | 5 ppm  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | Formic acid  |
| WEL TWA (OEL TWA) [1]                                     | 9.6 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                     | 5 ppm  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>formaldehyde ...% (50-00-0)</b>                        |  |
| <b>EU - Binding Occupational Exposure Limit (BOEL)</b>    |  |
| Local name  | Formaldehyde   |
| BOEL TWA  | 0.37 mg/m <sup>3</sup><br>0.62 mg/m <sup>3</sup> (Limit value for the health care, funeral and embalming sectors until 11 July 2024) |
| BOEL TWA [ppm]  | 0.5 ppm (Limit value for the health care, funeral and embalming sectors until 11 July 2024)<br>0.3 ppm                               |
| BOEL STEL   | 0.74 mg/m <sup>3</sup>   |
| BOEL STEL [ppm]   | 0.6 ppm  |
| Notes   | Dermal sensitisation (The substance can cause sensitisation of the skin)   |
| Regulatory reference                                      | DIRECTIVE (EU) 2019/983 (amending Directive 2004/37/EC)  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | Formaldehyde   |
| WEL TWA (OEL TWA) [1]                                     | 2.5 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                     | 2 ppm  |
| WEL STEL (OEL STEL)                                       | 2.5 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                                 | 2 ppm  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Wear foot protection.

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side shields. Safety glasses

| Eye protection                   |                       |                 |          |
|----------------------------------|-----------------------|-----------------|----------|
| Type                             | Field of application  | Characteristics | Standard |
| Safety glasses with side shields | Normal use conditions |                 | EN 166   |

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Long sleeved protective clothing. Chemical resistant safety shoes

| Skin and body protection           |              |
|------------------------------------|--------------|
| Type                               | Standard     |
| Use chemically protective clothing | EN 13034     |
| Chemical resistant safety shoes    | EN ISO 20345 |
| Long sleeved protective clothing   |              |

##### Hand protection:

Protective gloves

| Hand protection   |                      |                   |                |             |            |
|-------------------|----------------------|-------------------|----------------|-------------|------------|
| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Butyl rubber         | 6 (> 480 minutes) | 0.5            |             | EN ISO 374 |
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.35           |             | EN ISO 374 |

##### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

##### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |   |
|---|---|
| Physical state                                  | : Liquid  |
| Appearance                                      | : Gel.  |
| Colour  | : Red.  |
| Odour   | : slight odour.   |
| Odour threshold                                 | : No data available   |
| pH  | : 2   |
| Relative evaporation rate (butylacetate=1)      | : No data available   |
| Melting point                                   | : 0 °C  |
| Freezing point                                  | : No data available   |
| Boiling point                                   | : 100 °C  |
| Flash point                                     | : No data available   |
| Auto-ignition temperature                       | : No data available   |
| Decomposition temperature                       | : No data available   |
| Flammability (solid, gas)                       | : Non flammable.  |
| Vapour pressure                                 | : No data available   |
| Relative vapour density at 20°C                 | : No data available   |
| Relative density                                | : 1.074   |
| Solubility                                      | : Soluble in the following materials: cold water and hot water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available   |
| Viscosity, kinematic                            | : No data available   |
| Viscosity, dynamic                              | : 275 mPa·s Room temperature                                    |
| Explosive properties                            | : No data available   |
| Oxidising properties                            | : No data available   |
| Explosive limits                                | : No data available   |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Alkalis.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

|                         |   |
|-------------------------|---|
| Acute toxicity (oral)   | : Not classified (Conclusive but not sufficient for classification) |
| Acute toxicity (dermal) | : Not classified (Conclusive but not sufficient for classification) |

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Acute toxicity (inhalation) : Not classified (Conclusive but not sufficient for classification)

| <b>Glycollic acid (79-14-1)</b>   |   |
|-----------------------------------|---|
| LD50 oral rat                     | 2040 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-1 (Acute Oral Toxicity), Remarks on results: other., 95% CL: 1443 - 2469 |
| LC50 Inhalation - Rat (Dust/Mist) | 3.6 mg/l/4h   |

| <b>formic acid ... % (64-18-6)</b> |  |
|------------------------------------|--|
| LD50 oral rat                      | 730 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other., 95% CL: 618 - 863 |
| LD50 dermal rat                    | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| LC50 Inhalation - Rat              | 7.85 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)  |

| <b>formaldehyde ...% (50-00-0)</b> |           |
|------------------------------------|-----------|
| LC50 Inhalation - Rat (Dust/Mist)  | > mg/l/4h |

Skin corrosion/irritation : Causes severe skin burns.  
pH: 2

| <b>Glycollic acid (79-14-1)</b> |      |
|---------------------------------|------|
| pH                              | 1.73 |

| <b>formaldehyde ...% (50-00-0)</b> |         |
|------------------------------------|---------|
| pH                                 | 2.8 – 4 |

Serious eye damage/irritation : Causes serious eye damage.  
pH: 2

| <b>Glycollic acid (79-14-1)</b> |      |
|---------------------------------|------|
| pH                              | 1.73 |

| <b>formaldehyde ...% (50-00-0)</b> |         |
|------------------------------------|---------|
| pH                                 | 2.8 – 4 |

Respiratory or skin sensitisation : Not classified (Conclusive but not sufficient for classification)

Germ cell mutagenicity : Not classified (Conclusive but not sufficient for classification)

Carcinogenicity : Not classified (Conclusive but not sufficient for classification)

| <b>formaldehyde ...% (50-00-0)</b> |                            |
|------------------------------------|----------------------------|
| IARC group                         | 1 - Carcinogenic to humans |

| <b>formic acid ... % (64-18-6)</b>          |   |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years) | 400 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other: |

Reproductive toxicity : Not classified (Conclusive but not sufficient for classification)

STOT-single exposure : Not classified (Conclusive but not sufficient for classification)

STOT-repeated exposure : Not classified (Conclusive but not sufficient for classification)

| <b>Glycollic acid (79-14-1)</b> |   |
|---------------------------------|---|
| LOAEL (oral, rat, 90 days)      | 300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity), Guideline: other., Guideline: other: |
| NOAEL (oral, rat, 90 days)      | 150 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity), Guideline: other., Guideline: other:                   |



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| formic acid ... % (64-18-6)                      |  |
|--|--|
| LOAEL (oral, rat, 90 days)                       | 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| NOAEL (oral, rat, 90 days)                       | 400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)  |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.244 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)               |

Aspiration hazard : Not classified (Conclusive but not sufficient for classification)

| Glycollic acid (79-14-1) |  |
|--------------------------|--|
| Viscosity, kinematic     | 6149 mm <sup>2</sup> /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' Remarks on result: 'other:' |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.  
Hazardous to the aquatic environment, short-term (acute) : Not classified (Conclusive but not sufficient for classification)  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects. (Conclusive but not sufficient for classification)

| Glycollic acid (79-14-1) |  |
|--------------------------|--|
| LC50 - Fish [1]          | 164 mg/l   |
| EC50 - Crustacea [1]     | 141 mg/l Test organisms (species): Daphnia magna |

| formic acid ... % (64-18-6) |   |
|-----------------------------|---|
| LC50 - Fish [1]             | 68 mg/l   |
| EC50 - Crustacea [1]        | 365 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]        | 1240 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| LOEC (chronic)              | > 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC (chronic)              | ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |

| formaldehyde ...% (50-00-0) |  |
|-----------------------------|--|
| LC50 - Fish [1]             | 6.7 mg/l Test organisms (species): Morone saxatilis                  |
| EC50 - Crustacea [1]        | 5.8 mg/l Test organisms (species): Daphnia pulex                     |
| NOEC (chronic)              | ≥ 6.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC chronic fish           | ≥ 48 mg/l Test organisms (species): Oryzias latipes Duration: '28 d' |

### 12.2. Persistence and degradability

| HG toilet cleaner gel super powerful |                        |
|--------------------------------------|------------------------|
| Persistence and degradability        | Readily biodegradable. |

### 12.3. Bioaccumulative potential

| HG toilet cleaner gel super powerful |                              |
|--------------------------------------|------------------------------|
| Bioaccumulative potential            | No bioaccumulation expected. |

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| Glycollic acid (79-14-1)                        |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -1.1  |
| formic acid ... % (64-18-6)                     |       |
| Partition coefficient n-octanol/water (Log Pow) | -2.1  |
| formaldehyde ...% (50-00-0)                     |       |
| Partition coefficient n-octanol/water (Log Pow) | 0.779 |

### 12.4. Mobility in soil

| HG toilet cleaner gel super powerful |                                       |
|--------------------------------------|---------------------------------------|
| Ecology - soil                       | Expected to be highly mobile in soil. |

### 12.5. Results of PBT and vPvB assessment

| HG toilet cleaner gel super powerful   |  |
|--|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |  |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional legislation (waste)               | : Dispose of in accordance with relevant local regulations.   |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.   |
| Product/Packaging disposal recommendations | : Empty containers retain product residue and can be hazardous. Do not dispose of the packaging without first carrying out the necessary cleaning. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. |
| Ecology - waste materials                  | : Recycling is preferred to disposal or incineration.   |
| European List of Waste (LoW) code          | : 20 01 29* - detergents containing dangerous substances<br>20 01 39 - plastics   |
| HP Code                                    | : HP8 - "Corrosive:" waste which on application can cause skin corrosion.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment   |

## SECTION 14: Transport information






In accordance with ADR / IMDG / IATA / ADN / RID

| ADR  | IMDG   | IATA  | ADN  | RID  |
|--|--|---|--|--|
| 14.1. UN number  |  |   |  |  |
| UN 3265  | UN 3265  | UN 3265   | UN 3265  | UN 3265  |
| 14.2. UN proper shipping name                                    |  |   |  |  |
| CORROSIVE LIQUID,<br>ACIDIC, ORGANIC, N.O.S.<br>(Glycollic acid) | CORROSIVE LIQUID,<br>ACIDIC, ORGANIC, N.O.S.<br>(Glycollic acid) | Corrosive liquid, acidic,<br>organic, n.o.s. (CONTAINS<br>: Glycollic acid) | CORROSIVE LIQUID,<br>ACIDIC, ORGANIC, N.O.S.<br>(Glycollic acid) | CORROSIVE LIQUID,<br>ACIDIC, ORGANIC, N.O.S.<br>(Glycollic acid) |

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## Safety Data Sheet

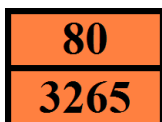
According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2015/830.

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>Transport document description</b>   |   |   |   |   |
| UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycollic acid), 8, III, (E)   | UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycollic acid), 8, III        | UN 3265 Corrosive liquid, acidic, organic, n.o.s. (CONTAINS : Glycollic acid), 8, III | UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycollic acid), 8, III          | UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycollic acid), 8, III          |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 8   | 8   | 8   | 8   | 8   |
|  |  |      |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| III   | III   | III   | III   | III   |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                         | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : C3  
 Special provisions (ADR) : 274  
 Limited quantities (ADR) : 5I  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P001, IBC03, LP01, R001  
 Mixed packing provisions (ADR) : MP19  
 Portable tank and bulk container instructions (ADR) : T7  
 Portable tank and bulk container special provisions (ADR) : TP1, TP28  
 Tank code (ADR) : L4BN  
 Vehicle for tank carriage : AT  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V12  
 Hazard identification number (Kemler No.) : 80  
 Orange plates :



Tunnel restriction code (ADR) : E  
 EAC code : 2X

#### Transport by sea

Special provisions (IMDG) : 223, 274  
 Limited quantities (IMDG) : 5 L  
 Excepted quantities (IMDG) : E1  
 Packing instructions (IMDG) : P001, LP01  
 IBC packing instructions (IMDG) : IBC03  
 Tank instructions (IMDG) : T7  
 Tank special provisions (IMDG) : TP1, TP28  
 EmS-No. (Fire) : F-A  
 EmS-No. (Spillage) : S-B  
 Stowage category (IMDG) : A  
 Stowage and handling (IMDG) : SW2

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Segregation (IMDG) : SGG1, SG36, SG49  
Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y841  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 852  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 856  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3, A803  
ERG code (IATA) : 8L

### Inland waterway transport

Classification code (ADN) : C3  
Special provisions (ADN) : 274  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : C3  
Special provisions (RID) : 274  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T7  
Portable tank and bulk container special provisions (RID) : TP1, TP28  
Tank codes for RID tanks (RID) : L4BN  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 80

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations  $\geq 0.1\%$  or SCL: Methoxyacetic acid (EC 210-894-6, CAS 625-45-6)

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

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### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Detergent Regulation (648/2004)

| Labelling of contents |   |
|-----------------------|---|
| Component             | % |
| FORMALDEHYDE          |   |

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |   |          |                       |
|-----------------------|---|----------|-----------------------|
| Section               | Changed item  | Change   | Comments              |
| 2.1                   | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Removed  | Environmental hazards |
| 2.2                   | UFI : Unique Formula Identifier                                 | Modified |                       |
| 3                     | Composition/information on ingredients                          | Modified |                       |
| 3.2                   | Hazardous Substances  | Modified |                       |
| 12.                   | General information   | Modified |                       |
| 16                    | Detergents, Labelling of Contents                               | Modified |                       |

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate   |
| BCF    | Bioconcentration factor   |
| BLV    | Biological limit value  |
| BOD    | Biochemical oxygen demand (BOD)   |
| COD    | Chemical oxygen demand (COD)  |
| DMEL   | Derived Minimal Effect level  |
| DNEL   | Derived-No Effect Level   |
| EC-No. | European Community number   |
| EC50   | Median effective concentration  |
| EN     | European Standard   |
| IARC   | International Agency for Research on Cancer   |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

### Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging. Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

### Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3              |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3              |
| Acute Tox. 3 (Inhalation:vapour)    | Acute toxicity (inhalation:vapour) Category 3    |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4  |
| Carc. 1B                            | Carcinogenicity, Category 1B   |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| Flam. Liq. 3                        | Flammable liquids, Category 3  |
| H226                                | Flammable liquid and vapour.   |
| H301                                | Toxic if swallowed.  |
| H302                                | Harmful if swallowed.  |
| H311                                | Toxic in contact with skin.  |
| H314                                | Causes severe skin burns and eye damage.   |
| H315                                | Causes skin irritation.  |
| H317                                | May cause an allergic skin reaction.   |
| H318                                | Causes serious eye damage.   |
| H319                                | Causes serious eye irritation.   |
| H331                                | Toxic if inhaled.  |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.  |
| H341                                | Suspected of causing genetic defects.  |
| H350                                | May cause cancer.  |
| H412                                | Harmful to aquatic life with long lasting effects.   |
| Muta. 2                             | Germ cell mutagenicity, Category 2   |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1, Sub-Category 1A                                     |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.