# HG heavy duty toilet bowl cleaning gel

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 2021-10-29 Revision date: 2023-05-23 Version: 2.0

## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture
Product name : HG heavy duty toilet bowl cleaning gel
Type of product : Detergent
Product code : 322 ART
Product group : Trade product

### 1.2. Recommended use and restrictions on use

Recommended use : Cleaning agent
Restrictions on use : All other uses not recommended above

### 1.3. Supplier

**Manufacturer**
HG International B.V.
P.J. Oudweg 41
Almere, 1314 CJ
The Netherlands
T +31 (0)36 54 94 700
safety@hg.eu - www.hg.eu

**Distributor**
Toolway Industries Ltd.
1-280 Hunter's Valley Road
Woodbridge, On L4H 3V9
Canada

### 1.4. Emergency telephone number

| Country | Organization/Company | Address | Emergency number | |
|---|---|---|---|---|
| Canada | Canutec | | 226-8832 North American<br>1-613-996-6666 -International | |

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**Classification (GHS CA)**

| | | |
|---|---|---|
| Skin corrosion/irritation Category 1B | H314 | Causes severe skin burns and eye damage |
| Serious eye damage/eye irritation Category 1 | H318 | Causes serious eye damage |

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

**GHS CA labeling**

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS CA) : 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.
P260 - Do not breathe vapors, mist, spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective gloves.
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 .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS CA)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|---|---|---|---|---|
| Glycollic acid | Acids | CAS-No.: 79-14-1 | ≥ 10 – < 15 | Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/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.

First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Call a physician immediately.

### 4.2. Most important symptoms and effects (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. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

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

### 5.2. Unsuitable extinguishing media

No additional information available

### 5.3. Specific hazards arising from the hazardous product

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

### 5.4. Special protective equipment and precautions for fire-fighters

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.

### 6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## 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/vapors/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. |
| Incompatible materials | : | Alkalis. |
| Heat-ignition | : | Keep away from heat and direct sunlight. |
| Storage temperature | : | > 0 – < 30 °C |
| Special rules on packaging | : | Keep only in original container. Opened containers must be carefully closed and kept upright to avoid leakage. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. 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. |
| Environmental exposure controls | : | Avoid release to the environment. |

### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**
Safety glasses. Gloves. Protective clothing. Wear safety footwear.

| **Hand protection:** | | | | |
|---|---|---|---|---|
| Protective gloves | | | | |
| **Type** | **Material** | **Permeation** | **Thickness (mm)** | **Penetration** |
| Disposable gloves | butyl rubber | 6 (> 480 minutes) | 0.5 | |
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.35 | |

| **Eye protection:** | | |
|---|---|---|
| Safety glasses with side shields. ISO 16321-1. Safety glasses | | |
| **Type** | **Field of application** | **Characteristics** |
| Safety glasses with side shields | Normal use conditions | |

| **Skin and body protection:** |
|---|
| Long sleeved protective clothing. Chemical resistant safety shoes |
| **Type** |
| Use chemically protective clothing |
| Chemical resistant safety shoes |
| Long sleeved protective clothing |

| **Respiratory protection:** |
|---|
| No respiratory protection needed under normal use conditions |

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

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

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Gel. |
| Color | : | Red |
| Odor | : | slight odour |
| Odor threshold | : | No data available |
| pH | : | 2 |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Relative evaporation rate (ether=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) | : | Not applicable |
| Vapor pressure | : | No data available |
| Relative vapor 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 |
| Explosion limits | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

| | | |
|---|---|---|
| Reactivity | : | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reactions | : | No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : | None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : | Alkalis. |
| Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | : | No additional information available |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Glycollic acid (79-14-1) | |
|---|---|
| LD50 oral rat | 2040 mg/kg body weight 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 |
| ATE CA (oral) | 2040 mg/kg body weight |
| ATE CA (Gases) | 4500 ppmV/4h |
| ATE CA (vapors) | 11 mg/l/4h |
| ATE CA (dust,mist) | 3.6 mg/l/4h |

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

| Glycollic acid (79-14-1) | |
|---|---|
| pH | 1.73 |

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

| Glycollic acid (79-14-1) | |
|---|---|
| pH | 1.73 |

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

| Glycollic acid (79-14-1) | |
|---|---|
| LOAEL (oral,rat,90 days) | 300 mg/kg body weight 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 body weight 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: |

Aspiration hazard : Not classified

| Glycollic acid (79-14-1) | |
|---|---|
| Viscosity, kinematic | 6149 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' Remarks on result: 'other:' |
| Animal studies and expert judgment for classification | False |

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

## 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
Hazardous to the aquatic environment, long–term (chronic) : Not classified

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

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| HG heavy duty toilet bowl cleaning gel | |
|---|---|
| Bioaccumulative potential | No bioaccumulation expected. |

| Glycollic acid (79-14-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -1.1 |

### 12.4. Mobility in soil

| HG heavy duty toilet bowl cleaning gel | |
|---|---|
| Ecology - soil | Expected to be highly mobile in soil. |

| Glycollic acid (79-14-1) |
|---|

### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal 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.

## SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

| TDG | DOT | IMDG | IATA |
|---|---|---|---|
| **14.1. UN number** | | | |
| UN3265 | 3265 | 3265 | 3265 |

| TDG | DOT | IMDG | IATA |
|---|---|---|---|
| **14.2. Proper Shipping Name** | | | |
| CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS : Glycollic acid) | Corrosive liquid, acidic, organic, n.o.s. (CONTAINS : Glycollic acid) | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycollic acid) | Corrosive liquid, acidic, organic, n.o.s. (CONTAINS : Glycollic acid) |
| **Transport document description** | | | |
| UN3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS : Glycollic acid), 8, III | UN3265 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. (CONTAINS : Glycollic acid), 8, III |
| **14.3. Transport hazard class(es)** | | | |
| 8 | 8 | 8 | 8 |
|   |   |   |   |
| **14.4. Packing group** | | | |
| III | III | III | III |
| **14.5. Environmental hazards** | | | |
| Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | | |

## 14.6. Special precautions for user

**TDG**

UN-No. (TDG) : UN3265

TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).
(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:
(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;
(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;
(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;
(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or
(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.
(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:
(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or
(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E1

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L

Emergency Response Guide (ERG) Number : 153

**DOT**

| | | |
|---|---|---|
| UN-No.(DOT) | : | UN3265 |
| DOT Special Provisions (49 CFR 172.102) | : | 386 - Notwithstanding the provisions of §177.834(l) of this subchapter, cargo heaters may be used when weather conditions are such that the freezing of a wetted explosive material is likely. Shipments must be made by private, leased or contract carrier vehicles under exclusive use of the offeror. Cargo heaters must be reverse refrigeration (heat pump) units. Shipments made in accordance with this Special provision are excepted from the requirements of §173.60(b)(4) of this subchapter.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : | 154 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : | 203 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : | 241 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : | 5 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | 60 L |
| DOT Vessel Stowage Location | : | A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel. |
| DOT Vessel Stowage Other | : | 40 - Stow ‘‘clear of living quarters’’,53 - Stow ‘‘separated from’’ alkaline compounds,58 - Stow ‘‘separated from’’ cyanides |

**IMDG**

| | | |
|---|---|---|
| Special provision (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 - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE |
| EmS-No. (Spillage) | : | S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES |
| Stowage category (IMDG) | : | A |
| Stowage and handling (IMDG) | : | SW2 |
| Segregation (IMDG) | : | SGG1, SG36, SG49 |
| Properties and observations (IMDG) | : | Causes burns to skin, eyes and mucous membranes. |

**IATA**

| | | |
|---|---|---|
| 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 provision (IATA) | : | A3, A803 |
| ERG code (IATA) | : | 8L |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

**Glycollic acid (79-14-1)**

**Listed on the Canadian DSL (Domestic Substances List)**

### 15.2. International regulations

**HG heavy duty toilet bowl cleaning gel**

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

**Glycollic acid (79-14-1)**

**Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active**
**Listed on INSQ (Mexican National Inventory of Chemical Substances)**

## SECTION 16: Other information

Issue date : 10-29-2021
Revision date : 05-23-2023

**Indication of changes**

| Section | Changed item | Change | Comments |
|---|---|---|---|
| | Revision date | Added | |
| 2 | Classification (GHS CA) | Modified | |
| 3 | Composition/Information on ingredients | Modified | |
| 14.2 | Classification (GHS CA) | Modified | |
| 14.3 | Classification (GHS CA) | Modified | |

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-phrases:**

| | |
|---|---|
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |

| Full text of H-phrases: | |
|---|---|
| H332 | Harmful if inhaled |

| Abbreviations and acronyms: | |
|---|---|
| CAS-No. | Chemical Abstract Service number |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| N.O.S. | Not Otherwise Specified |
| 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 |
| ThOD | Theoretical oxygen demand (ThOD) |
| SDS | Safety Data Sheet |

Safety Data Sheet (SDS), Canada

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.