# HG hair unclogger component 2

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 2021-10-29 Version: 1.0

## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture
Product name : HG hair unclogger component 2
Product code : 670 ART (667 ART)
Product group : Trade product

### 1.2. Recommended use and restrictions on use

No additional information available

### 1.3. Supplier

**Manufacturer**
HG International B.V.
Damsluisweg 70
Almere, 1332 EJ
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

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

| Country | Organization/Company | Address | Emergency number | Comment |
|---|---|---|---|---|
| Canada | Chemtrec | | (813) 248 0585 | Toll Free (800) 255 3924 (24h) |

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**Classification (GHS CA)**

| | | |
|---|---|---|
| Acute toxicity (oral) Category 4 | H302 | Harmful if swallowed |
| Skin corrosion/irritation Category 1A | H314 | Causes severe skin burns and eye damage |
| Serious eye damage/eye irritation Category 1 | H318 | Causes serious eye damage |
| Hazardous to the aquatic environment - Acute Hazard Category 3 | H402 | Harmful to aquatic life |

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) | : | H302 - Harmful if swallowed<br>H314 - Causes severe skin burns and eye damage<br>H402 - Harmful to aquatic life |
| Precautionary statements (GHS CA) | : | P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P103 - Read label before use.<br>P260 - Do not breathe vapors, mist, spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves, protective clothing, eye protection.<br>P301+P312 - IF SWALLOWED: Call a POISON CENTER, a doctor if you feel unwell.<br>P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 - Immediately call a POISON CENTER, a doctor.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P330 - Rinse mouth.<br>P363 - Wash contaminated clothing before reuse.<br>P405 - Store locked up.<br>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 data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|---|---|---|---|---|
| Potassium hydroxide | Bases | CAS-No.: 1310-58-3 | ≥ 50 – < 75 | Met. Corr. 1, H290<br>Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Aquatic Acute 3, H402 |

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. Sand.

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 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

No additional information available

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

For containment : Collect spillage.

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 vapors, mist, 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.

Heat-ignition : Keep away from heat and direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Potassium hydroxide (1310-58-3) | |
|---|---|
| **Canada (Alberta) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Notations and remarks | Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required. |
| Regulatory reference | Alberta Regulation 87/2009 (Alberta Regulation 150/2020) |
| **Canada (Quebec) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| Plafond (OEL C) | 2 mg/m³ |
| Notations and remarks | RP, EM |
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| **Canada (British Columbia) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| **Canada (Manitoba) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Notations and remarks | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference | ACGIH |
| **Canada (Newfoundland and Labrador) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Notations and remarks | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference | ACGIH |

| Potassium hydroxide (1310-58-3) | |
|---|---|
| **Canada (Nova Scotia) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Notations and remarks | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference | ACGIH |
| **Canada (Nunavut) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 |
| **Canada (Northwest Territories) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| **Canada (Ontario) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Regulatory reference | Ontario Occuational Exposure Limits under Regulation 833 |
| **Canada (Prince Edward Island) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Notations and remarks | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference | ACGIH |
| **Canada (Saskatchewan) - Occupational Exposure Limits** | |
| Local name | Potassium hydroxide |
| OEL C | 2 mg/m³ |
| Regulatory reference | The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1 |

## 8.2. Appropriate engineering controls

Appropriate engineering controls : 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. Protective shoes.

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

| | | | | |
|---|---|---|---|---|
| Disposable gloves | butyl rubber | 6 (> 480 minutes) | 0.5 | |

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

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

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

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

**Other information:**

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 | : | No data available |
| Color | : | Colorless |
| Odor | : | odorless |
| Odor threshold | : | No data available |
| pH | : | 14 |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Relative evaporation rate (ether=1) | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| 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 | : | 1.5 |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Viscosity, kinematic | : | No data available |
| 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 | : | Acids. |
| 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) | : | Harmful if swallowed. |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

| | |
|---|---|
| ATE CA (oral) | 666 mg/kg body weight |

| **Potassium hydroxide (1310-58-3)** | |
|---|---|
| LD50 oral | 333 mg/kg body weight |
| ATE CA (oral) | 333 mg/kg body weight |

| | | |
|---|---|---|
| Skin corrosion/irritation | : | Causes severe skin burns.<br>pH: 14 |
| Serious eye damage/irritation | : | Causes serious eye damage.<br>pH: 14 |
| 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 |
| Aspiration hazard | : | Not classified |
| 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 | : | Harmful to aquatic life. |
| Hazardous to the aquatic environment, short-term (acute) | : | Harmful to aquatic life. |
| Hazardous to the aquatic environment, long-term (chronic) | : | Not classified |

| Potassium hydroxide (1310-58-3) | |
|---|---|
| LC50 - Fish [1] | 80 mg/l |
| Partition coefficient n-octanol/water (Log Pow) | 0.75 |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Potassium hydroxide (1310-58-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.75 |

### 12.4. Mobility in soil

| Potassium hydroxide (1310-58-3) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.75 |

### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

| TDG | DOT | IMDG | IATA |
|---|---|---|---|
| **14.1. UN number** | | | |
| UN1814 | 1814 | 1814 | 1814 |
| **14.2. Proper Shipping Name** | | | |
| POTASSIUM HYDROXIDE SOLUTION | Potassium hydroxide, solution | POTASSIUM HYDROXIDE SOLUTION | Potassium hydroxide solution |
| **Transport document description** | | | |
| UN1814 POTASSIUM HYDROXIDE SOLUTION, 8, II | UN1814 Potassium hydroxide, solution, 8, II | UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, II | UN 1814 Potassium hydroxide solution, 8, II |
| **14.3. Transport hazard class(es)** | | | |
| 8 | 8 | 8 | 8 |
|  |  |  |  |

| TDG | DOT | IMDG | IATA |
|---|---|---|---|
| **14.4. Packing group** | | | |
| II | II | II | II |
| **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) : UN1814

Explosive Limit and Limited Quantity Index : 1 L

Excepted quantities (TDG) : E2

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 1 L

Emergency Response Guide (ERG) Number : 154

**DOT**

UN-No.(DOT) : UN1814

DOT Special Provisions (49 CFR 172.102) : B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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.
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

DOT Packaging Exceptions (49 CFR 173.xxx) :

DOT Packaging Non Bulk (49 CFR 173.xxx) :

DOT Packaging Bulk (49 CFR 173.xxx) :

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) :

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) :

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 : 52 - Stow ‘‘separated from’’ acids

**IMDG**

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP2

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

Properties and observations (IMDG) : Colourless liquid. Reacts with ammonium salts, evolving ammonia gas. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.

**IATA**

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y840
PCA limited quantity max net quantity (IATA) : 0.5L
PCA packing instructions (IATA) : 851
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 855
CAO max net quantity (IATA) : 30L
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

**Potassium hydroxide (1310-58-3)**

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

### 15.2. International regulations

**Potassium hydroxide (1310-58-3)**

**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

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:**

| | |
|---|---|
| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H402 | Harmful to aquatic life |

| 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.