

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.10.2021

Version number 3

Revision: 05.10.2021

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

- **1.1 Product identifier**
- **Trade name:** Mole WC GEL Power
- **UFI:** UJS7-UQFK-PQ3F-Q4H8
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:**
Cleaning material/ Detergent
Toilet-cleaner
Biocide
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Global Cosmed GmbH
Global Cosmed International GmbH

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D-22083 Hamburg, Germany
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- **1.4 Emergency telephone number:**
+49 40 64 60 429 - 0 (Mo. to Fr. 8:00 - 17:00) or 112
+ 48 76 870 30 31 (Mo. to Fr. 8:00 - 16:00) or 112

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.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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· Hazard pictograms



GHS07

 · Signal word *Warning*

· Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe vapours.
P280 Wear protective gloves / eye protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations to disposal.

· Additional information:

See Section 15 for additional information about biocidal product.
Contains biocidal products: FORMIC ACID (formic acid)

· 2.3 Other hazards

♦ Acid product

♦ Do not use together with other products.

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture: consisting of the following components.

· Dangerous components:

CAS: 64-18-6 EINECS: 200-579-1 Index number: 607-001-00-0 Reg.nr.: 01-2119491174-37	FORMIC ACID (formic acid) ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 90 % Skin Corr. 1B; H314: 10 % ≤ C < 90 % Skin Irrit. 2; H315: 2 % ≤ C < 10 % Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 2 % ≤ C < 10 %	≥5-<10%
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· Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants

<5%

disinfectants (FORMIC ACID), perfumes

· 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: In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Rinse with warm water.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

Medical supervision for at least 48 hours.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents: Water spray

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Avoid skin and eye contact.

Slipping hazard due to leaking product.

· 6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground 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 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Keep away from frost and heat.

· **Information about fire - and explosion protection:** Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep container tightly sealed.

Store and transport uprightly.

· **Storage class:** 8 A

· 7.3 Specific end use(s)

The product is a cleaning product for household use. Observe the warnings and instructions on the packaging.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Additional information about design of technical facilities:** No further relevant information available.

· Ingredients with limit values that require monitoring at the workplace:

64-18-6 FORMIC ACID (formic acid) (≥5-<10%)

IOELV Long-term value: 9 mg/m³, 5 ppm

· DNELs

64-18-6 FORMIC ACID (formic acid)

Inhalative	DNEL - long-term, inhaled, local effect	9.5 mg/m ³ (worker)
		3 mg/m ³ (consumer)
	DNEL - long-term, inhaled, systemic effect	9.5 mg/m ³ (worker)
		3 mg/m ³ (consumer)
	DNEL - short-term, inhaled, systemic effect	19 mg/m ³ (worker)
		9.5 mg/m ³ (consumer)
	DNEL - short-term, inhaled, local effect	19 mg/m ³ (worker)
		9.5 mg/m ³ (consumer)

· PNECs

64-18-6 FORMIC ACID (formic acid)

PNEC water (fresh water)	2,000 µg/l
PNEC water (marine water)	200 µg/l
PNEC water (intermittent)	1,000 µg/l
PNEC sediment (fresh water)	13.4 mg/kg
PNEC sediment (marine water)	1.34 mg/kg
PNEC (soil)	1.5 mg/kg

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PNEC (sewage plant)	7.2 mg/l
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· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

Due to missing tests, it is not possible to give exact information about the glove material for the product.

Recommended is therefore:

Only use chemical-protective gloves with CE-labelling of category III.

· **Material of gloves**

Recommended for contact with the product are protective gloves of chemical protection category III made of special nitrile (material thickness > 0.1 mm). Protective gloves should be tested for workplace specific suitability (e.g. mechanical and thermal resistance, antistatic, etc.). For first signs of wear, the protective gloves must be replaced immediately.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Penetration time > 480 minutes recommended. Named penetration times can be significantly shorter in practice.

· **Eye protection:**



Tightly sealed goggles

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Limitation and supervision of exposure into the environment**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Blue

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· Odour:	Pungent
· Odour threshold:	Not determined.
· pH-value at 20 °C:	>2
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	~100 °C (7732-18-5 water)
· Flash point:	>70 °C (berechnet)
· Flammability (solid, gas):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	~23 hPa (7732-18-5 water)
· Density at 20 °C:	1.022-1.032 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	<5,000 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Water:	88.5 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Violent reactions with strong alkalis and oxidising agents.
Do not mix with other products.
- **10.4 Conditions to avoid** Keep away from frost and heat.
- **10.5 Incompatible materials:**
Do not use on surfaces sensitive to acids (enamel, marble, stone).
Do not mix with other products.

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 · **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

 · **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:
ATE (Acute Toxicity Estimates)

Oral	LD50	8,293 mg/kg (mouse)
Inhalative	LC50/4 h	93 mg/l (rat)

64-18-6 FORMIC ACID (formic acid)

Oral	LD50	700 mg/kg (mouse)
		730 mg/kg (rat) (OECD TG 401)
Inhalative	LC50/4 h	7.85 mg/l (rat)

 · **Primary irritant effect:**

 · **Skin corrosion/irritation**

Causes skin irritation.

 · **Serious eye damage/irritation**

Causes serious eye irritation.

 · **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

 · **Additional toxicological information:**

 · **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

 · **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

 · **Carcinogenicity** Based on available data, the classification criteria are not met.

 · **Reproductive toxicity** Based on available data, the classification criteria are not met.

 · **STOT-single exposure** Based on available data, the classification criteria are not met.

 · **STOT-repeated exposure** Based on available data, the classification criteria are not met.

 · **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

 · **Aquatic toxicity:**
64-18-6 FORMIC ACID (formic acid)

Toxicity (fish): LC50	130 mg/l, 96 h (Brachydanio rerio) (OECD TG 203)
	68 mg/l, 96 h (Leuciscus idus)
Toxicity (Daphnia): EC50	32.19 mg/l, 48 h (Daphnia magna)
Toxicity (Algae): EC50	32.64 mg/l, 72 h (Scenedesmus subspicatus)

12.2 Persistence and degradability

No information for the product available. The contained surfactants are readily biodegradable.

64-18-6 FORMIC ACID (formic acid)

Readily biodegradable	>90 %
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 · **12.3 Bioaccumulative potential** No further relevant information available.

 · **12.4 Mobility in soil** No further relevant information available.

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

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Empty the container thoroughly.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Waste disposal key:**
20 01 29
15 01 10
- **Uncleaned packaging:**
- **Recommendation:**
Non contaminated packagings may be recycled.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|---|--|
| · 14.1 UN-Number | UN3265 |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. |
| · ADR | (FORMIC ACID) |
| · IMDG, IATA | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. |
| | (FORMIC ACID) |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 8 Corrosive substances. |
| · Label | 8 |
| · 14.4 Packing group | III |
| · ADR, IMDG, IATA | |
| · 14.5 Environmental hazards: | Not applicable. |

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<ul style="list-style-type: none"> · 14.6 Special precautions for user <i>Warning: Corrosive substances.</i> · Hazard identification number (Kemler code): 80 · EMS Number: F-A,S-B · Segregation groups Acids · Stowage Category A · Stowage Code SW2 Clear of living quarters. · Segregation Code SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code <i>Not applicable.</i>
<ul style="list-style-type: none"> · Transport/Additional information:
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · Transport category 3 · Tunnel restriction code E
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<ul style="list-style-type: none"> · UN "Model Regulation": UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FORMIC ACID), 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **National regulations:**

- **Regulation (EU) No 528/2012** Making available on the market and using biocidal products:

This product is a biocide within the meaning of Regulation (EU) No 528/2012. Use biocidal products with care. Always read the label and product information before use.

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- *Product Type 2: Disinfectants and algaecides not intended for direct application to humans or animals.*
- *Active matter per 100 g: 8,4 g FORMIC ACID*
- *Poland:*
 - *Law of February 25, 2011 on chemical substances and their mixtures, as amended*
 - *Law of October 9, 2015 on biocidal products*
 - *Marketing authorization for biocidal product: -----*
- *Germany:*
 - *Biocidal Registration Ordinance: BAuA Reg.-Nr. (Germany): N-101208*
- *Information about limitation of use: Employment restrictions concerning juveniles must be observed.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on our present knowledge. In particular, the information derive the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. The information does not constitute any guarantee of product quality and/or quality features.

• Relevant phrases

- H226 Flammable liquid and vapour.*
- H302 Harmful if swallowed.*
- H314 Causes severe skin burns and eye damage.*
- H331 Toxic if inhaled.*

• Training hints

- When manufacturing and distributing the product: information and instruction in handling, safety and hygiene.*
- When transporting the product: information and instruction in ADR.*

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

- The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.*

• Department issuing SDS:

*Regulatory Affairs
MH*

• Contact:

*reg@globalcosmed.eu
info@globalcosmed.de
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• Abbreviations and acronyms:

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
MARPOL: International Convention for the Prevention of Marine Pollution from Ships (marine pollution)
IBC: Intermediate Bulk Container
ECHA: European Chemicals Agency
IVIS: In Vitro Irritancy Score
CLP regulation: "Classification, Labelling and Packaging" regulation, regulation (EC) Nr. 1272/2008
REACH (regulation): "Registration, Evaluation, Authorisation and Restriction of Chemicals" regulation, regulation (EC) Nr. 1907/2006
CE: Conformité Européenne (European Conformity)
Reg.nr.: Registration number
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

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
EC50: Effective concentration, 50 percent
WEL: Workplace Exposure Limits
NOAEL (NOAEC): No observed adverse effect level (concentration)
NOEL (NOEC): No observed effect level (concentration)
NLP: No-Longer-Polymer
OECD: Organisation for Economic Co-operation and Development
TG: Test Guideline
BCOP: Bovine Corneal Opacity and Permeability
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
· *** Data compared to the previous version altered.**

EU