

# Safety Data Sheet

acc. to OSHA HCS

Printing date 08/16/2018

Reviewed on 08/16/2018

## 1 Identification

- **Product identifier**
- **Trade name:** *W&H Reinigungslösung MC-1000*
- **Application of the substance / the mixture** *Cleaning material/ Detergent*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*PRISMAN GmbH  
 Otto Hahn Ring 6-18  
 D-64653 Lorsch  
 Germany*
- **Information department:**  
*Abteilung Produktsicherheit  
 Alexander.Metz@prisman.de*
- **Emergency telephone number:** ++ (0)49 6251 866980-25

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

*Flam. Liq. 3 H226 Flammable liquid and vapor.*

- **Label elements**
- **GHS label elements**  
*The product is classified and labeled according to the Globally Harmonized System (GHS).*
- **Hazard pictograms**



GHS02

- **Signal word** *Warning*
- **Hazard statements**  
*Flammable liquid and vapor.*
- **Precautionary statements**  
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Keep container tightly closed.  
 Wear protective gloves / eye protection / face protection.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 Store in a well-ventilated place. Keep cool.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
 Fire = 2  
 Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = \*0  
 Fire = 2  
 Reactivity = 0

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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**  
Cleansing agent  
Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

64-17-5	ethanol	10-25%
67-63-0	propan-2-ol	2.5-10%

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
No dangerous substances are released.  
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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### · Protective Action Criteria for Chemicals

#### · PAC-1:

64-17-5	ethanol	1,800 ppm
67-63-0	propan-2-ol	400 ppm

#### · PAC-2:

64-17-5	ethanol	3300* ppm
67-63-0	propan-2-ol	2000* ppm

#### · PAC-3:

64-17-5	ethanol	15000* ppm
67-63-0	propan-2-ol	12000** ppm

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** -
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

#### · Components with limit values that require monitoring at the workplace:

##### 64-17-5 ethanol

PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm

##### 67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm
BEI	

#### · Ingredients with biological limit values:

##### 67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
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**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **As protection from splashes gloves made of the following materials are suitable:**  
Nitrile rubber, NBR  
Butyl rubber, BR  
Natural rubber, NR
- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	Colorless
<b>Odor:</b>	Alcohol-like
<b>Odor threshold:</b>	Not determined.
- **pH-value at 20 °C (68 °F):** 7,6
- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	100 °C (212 °F)
- **Flash point:** 40 °C (104 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 0,97 g/cm<sup>3</sup> (8.09465 lbs/gal)
- **Relative density** Not determined.

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· <i>Vapor density</i>	<i>Not determined.</i>
· <i>Evaporation rate</i>	<i>Not determined.</i>
· <i>Solubility in / Miscibility with Water:</i>	<i>Fully miscible.</i>
· <i>Partition coefficient (n-octanol/water):</i>	<i>Not determined.</i>
· <i>Viscosity:</i>	
<i>Dynamic:</i>	<i>Not determined.</i>
<i>Kinematic:</i>	<i>Not determined.</i>
· <i>Solvent content:</i>	
<i>Organic solvents:</i>	<i>&lt;20 %</i>
<i>Water:</i>	<i>&gt;75 %</i>
· <i>Solids content:</i>	<i>&lt; 1%</i>
· <i>Other information</i>	<i>No further relevant information available.</i>

## 10 Stability and reactivity

- *Reactivity* *No further relevant information available.*
- *Chemical stability*
- *Thermal decomposition / conditions to be avoided:* *No decomposition if used according to specifications.*
- *Possibility of hazardous reactions* *No dangerous reactions known.*
- *Conditions to avoid* *No further relevant information available.*
- *Incompatible materials:* *No further relevant information available.*
- *Hazardous decomposition products:* *No dangerous decomposition products known.*

## 11 Toxicological information

- *Information on toxicological effects*
- *Acute toxicity:*

- *LD/LC50 values that are relevant for classification:*

### *ATE (Acute Toxicity Estimate)*

<i>Oral</i>	<i>LD50</i>	<i>33,333 mg/kg</i>
<i>Inhalative</i>	<i>LC50/4 h</i>	<i>333 mg/l (rat)</i>

- *Primary irritant effect:*
- *on the skin:* *No irritant effect.*
- *on the eye:* *No irritating effect.*
- *Sensitization:* *No sensitizing effects known.*
- *Additional toxicological information:*

*The product is not subject to classification according to internally approved calculation methods for preparations:*

*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

- *Carcinogenic categories*

- *IARC (International Agency for Research on Cancer)*

<i>64-17-5</i>	<i>ethanol</i>	<i>1</i>
<i>67-63-0</i>	<i>propan-2-ol</i>	<i>3</i>

- *NTP (National Toxicology Program)*

*None of the ingredients is listed.*

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· **OSHA-Ca (Occupational Safety & Health Administration)**

*None of the ingredients is listed.*

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **Other adverse effects** *No further relevant information available.*

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** *Smaller quantities can be disposed of with household waste.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agent:** *Water, if necessary with cleansing agents.*

## 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** *UN1987*
- **UN proper shipping name**
- **DOT** *Alcohols, n.o.s. (Ethanol, Isopropanol)*
- **ADR** *1987 Alcohols, n.o.s. (Ethanol, Isopropanol)*
- **IMDG** *ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), ISOPROPANOL (ISOPROPYL ALCOHOL))*
- **IATA** *ALCOHOLS, N.O.S. (ETHANOL, ISOPROPANOL (ISOPROPYL ALCOHOL))*
- **Transport hazard class(es)** *Not applicable*
- **DOT**
- 
- **Class** *3 Flammable liquids*
- **Label** *3*

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· **ADR, IMDG, IATA**

· **Class** 3 Flammable liquids  
 · **Label** 3

· **Packing group**  
 · **DOT, ADR, IMDG, IATA** III

· **Environmental hazards:**  
 · **Marine pollutant:** No

· **Special precautions for user** Warning: Flammable liquids  
 · **Poison inhalation hazard:** No  
 · **Danger code (Kemler):** 30  
 · **EMS Number:** F-E,S-D

· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**  
 · **Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

· **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

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 · **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

67-63-0 | propan-2-ol

· **TSCA (Toxic Substances Control Act):**

64-17-5 | ethanol

67-63-0 | propan-2-ol

7732-18-5 | water, distilled, conductivity or of similar purity

· **TSCA new (21st Century Act) (Substances not listed)**· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

64-17-5 ethanol

A3

67-63-0 propan-2-ol

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** GHS label elements

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing SDS:** Abteilung Produktsicherheit

· **Contact:** Hr. Dr. Metz

· **Date of preparation / last revision** 08/16/2018 / 2

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 3: Flammable liquids – Category 3

· **\* Data compared to the previous version altered.**