

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 1 of 8

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

### 1.1. Product identifier

Güdel H1

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

#### Use of the substance/mixture

Lubricating agent

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

Company name: GÜDEL AG

Street: Industrie Nord

Place: CH-4900 Langenthal

Telephone: +41 62 916 91 91

Telefax: +41 62 916 91 50

E-mail (Contact person): Info@ch.gudel.com

### 1.4. Emergency telephone number:

EU/Asia +41 62 916 9170 USA +1 248 456 0440 (nur zu normalen Geschäftszeiten) Tox Info Suisse: national: 145, aus dem Ausland: +41 44 251 51 51

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Special labelling

EUH210

Safety data sheet available on request.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No    | Chemical name                                 |          |                  | Quantity    |
|-----------|---|----------|------------------|-------------|
|           | EC No   | Index No | REACH No         |             |
|           | Classification (Regulation (EC) No 1272/2008) |          |                  |             |
| 8042-47-5 | White mineral oil (petroleum)                 |          |                  | 15 - < 20 % |
|           | 232-455-8                                     |          | 01-2119487078-27 |             |
|           | Asp. Tox. 1; H304                             |          |                  |             |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

#### After contact with skin

Take off contaminated clothing and wash it before reuse.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 2 of 8

After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No information available.

#### 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

Co-ordinate fire-fighting measures to the fire surroundings.  
Extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)  
Foam

##### Unsuitable extinguishing media

Water spray jet  
Water

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

Section 10  
Hazardous combustion products

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.  
Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.  
Remove all sources of ignition.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

##### Other information

Clean contaminated articles and floor according to the environmental legislation.  
Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13  
Section 10: Stability and Reactivity

### SECTION 7: Handling and storage

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 3 of 8

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

When using do not eat, drink or smoke.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

##### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

##### **Further information on handling**

After contact with skin, wash immediately with plenty of water and soap.

Advices on general occupational hygiene

Wash contaminated clothing prior to re-use.

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

##### **Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place.

##### **Further information on storage conditions**

0 °C - 40 °C

#### 7.3. Specific end use(s)

Lubricating agent

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Additional advice on limit values**

To date, no national critical limit values exist.

#### 8.2. Exposure controls



#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Suitable eye protection: Wear eye/face protection. EN 166

##### **Hand protection**

Recommended respiratory protection articles Respiratory protection necessary at: aerosol or mist formation

Recommended glove articles :EN ISO 374; CAT III

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,4mm

Breakthrough time: >480min

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### **Skin protection**

Use of protective clothing EN 13034

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 4 of 8

#### Respiratory protection

When used as intended, no respiratory protection is required  
Respiratory protection necessary at: aerosol or mist formation  
Suitable respiratory protection apparatus:  
EN 14387 Filter type: A

### SECTION 9: Physical and chemical properties

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

|   |                       |                        |
|---|-----------------------|------------------------|
| Physical state:   | Liquid                |                        |
| Colour:   | white                 |                        |
| Odour:  | practically odourless |                        |
| Melting point/freezing point:                             |                       | No data available      |
| Boiling point or initial boiling point and boiling range: |                       | No data available      |
| Flammability:   |                       | No data available      |
| Lower explosion limits:                                   |                       | No data available      |
| Upper explosion limits:                                   |                       | No data available      |
| Flash point:  |                       | > 180 °C               |
| Auto-ignition temperature:                                |                       | No data available      |
| Decomposition temperature:                                |                       | No data available      |
| pH-Value:   |                       | No data available      |
| Viscosity / kinematic:<br>(at 25 °C)                      |                       | 9500 (berechnet) mm²/s |
| Water solubility:   |                       | practically insoluble  |
| Solubility in other solvents<br>not determined            |                       |                        |
| Partition coefficient n-octanol/water:                    |                       | No data available      |
| Vapour pressure:<br>(at 20 °C)                            |                       | < 0,0001 hPa           |
| Density (at 40 °C):                                       |                       | 0,89 g/cm³             |
| Bulk density:   |                       | No data available      |
| Relative vapour density:                                  |                       | not determined         |
| Particle characteristics:                                 |                       | No data available      |

#### 9.2. Other information

##### Information with regard to physical hazard classes

|                                |                   |
|--------------------------------|-------------------|
| Explosive properties           |                   |
| The product is not: Explosive. |                   |
| Sustained combustibility:      | No data available |
| Self-ignition temperature      |                   |
| Solid:                         | No data available |
| Gas:                           | No data available |
| Oxidizing properties           |                   |
| Not oxidising.                 |                   |

##### Other safety characteristics

|                                    |                   |
|------------------------------------|-------------------|
| Evaporation rate:                  | not determined    |
| Solid content:                     | not determined    |
| Sublimation point:                 | No data available |
| Softening point:                   | No data available |
| Pour point:                        | No data available |
| Viscosity / dynamic:<br>(at 25 °C) | 7800-9000 mPa·s   |

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision: 11.05.2026

**Güdel H1**  
Product code: 10499208

Page 5 of 8

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

Oxidizing agent

#### 10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### **Acute toxicity**

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

##### **ATEmix tested**

|              | Dose         | Species | Source |
|--------------|--------------|---------|--------|
| LD50, oral   | > 2000 mg/kg |         |        |
| LD50, dermal | > 2000 mg/kg |         |        |

##### **ATEmix calculated**

ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

##### **Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

##### **Sensitising effects**

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

##### **Carcinogenic/mutagenic/toxic effects 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.

#### 11.2. Information on other hazards

##### **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### SECTION 12: Ecological information

#### 12.1. Toxicity

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 6 of 8

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

#### **12.4. Mobility in soil**

No data available

#### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### **12.7. Other adverse effects**

No information available.

#### **Further information**

Avoid release to the environment.

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Do not allow to enter into surface water or drains.

Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".

Dispose of waste according to applicable legislation.

The waste key according to the European Waste Catalogue (EWC number) refers to the real wastes origin and therefore is not product- but use-oriented.

Consult the appropriate local waste disposal expert about waste disposal.

#### **List of Wastes Code - residues/unused products**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

#### **List of Wastes Code - used product**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

#### **List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information

### **Land transport (ADR/RID)**

#### **14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

#### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

#### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

#### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

### **Inland waterways transport (ADN)**

#### **14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

#### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

#### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

#### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 7 of 8

#### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |
| Segregation group:                       | 4 - chlorates  |

#### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### SECTION 15: Regulatory information

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

##### EU regulatory information

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).  
Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 8,9,12,14,15.

#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
RID: Regulations concerning the international carriage of dangerous goods by rail

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Güdel H1

Revision: 11.05.2026

Product code: 10499208

Page 8 of 8

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

### Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

EUH210 Safety data sheet available on request.

### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

### Identified uses

| No | Short title       | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|-------------------|-----|----|----|------|-----|----|----|---------------|
| 1  | Lubricating agent | -   | -  | -  | -    | -   | -  | -  |               |

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*