

# EU – Safety Data Sheet

According to 1907/2006/EG, Article 31

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Printing date: 05.02.2024

Revision: 01.02.2024

Version number 7 (replaces version 6)

## Gypsum Gloss

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

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#### 1.1 Product identifier

Commercial product name: Gypsum Gloss

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

Life cycle stages: PW Widespread use by professional workers  
Sector of Use: SU20 Health services  
Product category: PC24 Lubricants, greases, release products  
Technical function: Plating agent  
Application of the substance / the mixture: Impregnation for gypsum models

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

Manufacturer/Supplier: ERNST HINRICHS Dental GmbH  
Street / mailbox: Borsigstr. 1  
Country code. / postal code / city: D - 38644 Goslar  
Phone: 0 53 21 / 5 06 24  
Fax: 0 53 21 / 5 08 81  
E-mail / Website: [info@hinrichs-dental.de](mailto:info@hinrichs-dental.de) / [www.hinrichs-dental.de](http://www.hinrichs-dental.de)  
Further information obtainable from: ERNST HINRICHS Dental GmbH

#### 1.4 Emergency telephone number

ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 (Mon-Fri. 8 a.m. – 4 p.m.)

### SECTION 2: Hazards identification

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#### 2.1 Classification of the substance or mixture

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

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.

##### Hazard pictograms:



GHS07

**Signal word:** Warning.

##### Hazard statements:

H319 Causes serious eye irritation.

##### Precautionary statements:

P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Additional information:** Safety data sheet available on request.

#### 2.3 Other hazards.

**Results of PBT and vPvB assessment:** PBT: Not applicable.  
vPvB: Not applicable.






## Gypsum Gloss

### SECTION 3: Composition/information on ingredients

**3.1 Chemical characterization:** Mixtures.

**Description:** Mixture of substances listed below with non-hazardous additions.

**3.2 Dangerous components:**

|   |   |          |
|---|---|----------|
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Index number: 603-117-00-0<br>RTECS: NT 8050000<br>Reg.nr.: 01-2119457558-25 | <b>propan-2-ol</b><br> Flam. Liq. 2, H225<br> Eye Irrit. 2, H319; STOT SE 3, H336 | 2.5-10 % |
| CAS: 497-19-8<br>EINECS: 207-838-8<br>Index number: 011-005-00-2<br>Reg.nr.: 01-2119485498-19-xxxx                | <b>sodium carbonate</b><br> Eye Irrit. 2, H319   | ≤2.5%    |

**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:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately rinse with water.  
If skin irritation continues, consult a doctor.

**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.

**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:** No further relevant information available.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**  
**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

**5.3 Advice for firefighters:**  
**Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Not required.

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- 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).
- 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.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** Keep receptacles tightly sealed.
- Information about fire - and explosion protection:** No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities: 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:** Store in upright position.  
Keep container tightly sealed.
- 7.3 Specific end use(s):** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters:

| Ingredients with limit values that require monitoring at the workplace: |  |
|---|--|
| 67-63-0 propan-2-ol   |  |
| WEL   | Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 999 mg/m <sup>3</sup> , 400 ppm |

**Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

**Appropriate engineering controls:** No further data; see item 7.

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

**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.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.

**Protection of hands:**



Protective gloves



**Gypsum Gloss**

**Material of gloves:**

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. The selection of 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 cannot 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.

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Rubber gloves

**For the permanent contact gloves made of the following materials are suitable:**

Neoprene gloves

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR.  
Natural rubber, NR

**Eye protection:**



Tightly sealed goggles.

**SECTION 9: Physical and chemical properties**

\*

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

**General Information**

|  |                 |
|--|-----------------|
| <b>Physical state:</b>   | Fluid           |
| <b>Colour:</b>   | Light yellow    |
| <b>Odour:</b>  | Fruit-like      |
| <b>Odour threshold:</b>  | Not determined. |
| <b>Melting point/freezing point:</b>                             | Undetermined.   |
| <b>Boiling point or initial boiling point and boiling range:</b> | 82 °C           |
| <b>Flammability:</b>   | Not applicable. |
| <b>Lower and upper explosion limit</b>                           |                 |
| <b>Lower:</b>  | Not determined. |
| <b>Upper:</b>  | Not determined. |
| <b>Flash point:</b>  | >60 °C          |
| <b>Ignition temperature:</b>                                     | 425 °C          |
| <b>Decomposition temperature:</b>                                | Not determined. |
| <b>pH at 20 °C:</b>  | 11.3            |
| <b>Viscosity</b>   |                 |
| <b>Kinematic viscosity:</b>                                      | Not determined. |
| <b>Dynamic:</b>  | Not determined. |
| <b>Solubility</b>  |                 |
| <b>water:</b>  | Fully miscible. |
| <b>Partition coefficient n-octanol/water (log value):</b>        | Not determined. |

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|                                 |                        |
|---------------------------------|------------------------|
| Vapour pressure:                | Not determined.        |
| Density and/or relative density |                        |
| Density at 20 °C:               | 0.98 g/cm <sup>3</sup> |
| Relative density:               | Not determined.        |
| Vapour density:                 | Not determined.        |

### 9.2 Other information

Appearance:

Form: Fluid

**Important information on protection of health and environment, and on safety**

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Solvent content:

Organic solvents: 4 %

VOC (EC): 4 %

Change in condition:

Evaporation rate: Not determined.

**Information with regard to physical hazard classes**

Explosives: Void

Flammable gases: Void

Aerosols: Void

Oxidising gases: Void

Gases under pressure: Void

Flammable liquids: Void

Flammable solids: Void

Self-reactive substances and mixtures: Void

Pyrophoric liquids: Void

Pyrophoric solids: Void

Self-heating substances and mixtures: Void

Substances and mixtures, which emit flammable gases in contact with water: Void

Oxidising liquids: Void

Oxidising solids: Void

Organic peroxides: Void

Corrosive to metals: Void

Desensitised explosives: Void

### SECTION 10: Stability and reactivity

|   |   |
|---|---|
| 10.1 Reactivity:                                  | No further relevant information available.            |
| 10.2 Chemical stability:                          |   |
| Thermal decomposition / conditions to be avoided: | No decomposition if used according to specifications. |
| 10.3 Possibility of hazardous reactions:          | No dangerous reactions known.                         |
| 10.4 Conditions to avoid:                         | No further relevant information available.            |
| 10.5 Incompatible materials:                      | No further relevant information available.            |
| 10.6 Hazardous decomposition products:            | No dangerous decomposition products known.            |

### 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. |

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| LD/LC50 values relevant for classification: |          |                       |
|---|----------|-----------------------|
| 67-63-0 propan-2-ol                         |          |                       |
| Oral  | LD50     | 5,840 mg/kg (rat)     |
| Dermal                                      | LD50     | 13,900 mg/kg (rabbit) |
| Inhalative                                  | LC50/4 h | >25 mg/l (rat)        |

**Serious eye damage/irritation:** Causes serious eye irritation.  
**Additional toxicological information:**  
**Sensitisation:** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**  
**Endocrine disrupting properties:** None of the ingredients is listed.

### SECTION 12: Ecological information \*

**12.1 Toxicity**  
**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** Biodegradable.

**12.3 Bioaccumulative potential:** Does not accumulate in organisms.

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

**12.5 Results of PBT and vPvB assessment:**  
PBT: Not applicable.  
vPvB: Not applicable.

**12.6 Endocrine disrupting properties:** The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects:**  
**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.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### SECTION 13: Disposal considerations \*

**13.1 Waste treatment methods - Recommendation:** Must not be disposed together with the household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging – Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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### SECTION 14: Transport information

|  |                 |
|--|-----------------|
| 14.1 UN-Number:  | -               |
| 14.2 UN proper shipping name<br>ADR:                             | -               |
| 14.3 Transport hazard class(es):                                 | -               |
| 14.4 Packing group:  | -               |
| 14.5 Environmental hazards:<br>Marine pollutant:                 | No              |
| 14.7 Maritime transport in bulk according to IMO<br>instruments: | Not applicable. |

### SECTION 15: Regulatory information

|  |   |
|--|---|
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture<br>Labelling according to Regulation (EC) No<br>1272/2008: | GHS label elements<br>The product is classified and labelled according to the GB<br>CLP regulation. |
|--|---|

#### Hazard pictograms:



GHS07

**Signal word:** Warning.

**Hazard statements:**  
H319 Causes serious eye irritation.

**Precautionary statements:**  
P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Directive 2012/18/EU  
Named dangerous substances - ANNEX I:** None of the ingredients is listed.

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

### SECTION 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.

**Relevant R-phrases:**  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Recommended restriction of use:** Product only for professional use

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### Abbreviations and acronyms:

|               |   |
|---------------|---|
| ADR:          | Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).                  |
| RID:          | Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail). |
| IATA-DGR:     | Dangerous Goods Regulations by the "International Air Transport Association".   |
| ICAO:         | International Civil Aviation Organization.  |
| ICAO-TI:      | Technical Instructions by the "International Civil Aviation Organization".  |
| GHS:          | Globally Harmonized System of Classification and Labelling of Chemicals.  |
| 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)  |
| VOC:          | Volatile Organic Compounds (USA, EU)  |
| LC50:         | Lethal concentration, 50 percent  |
| LD50:         | Lethal dose, 50 percent   |
| PBT:          | Persistent, Bioaccumulative and Toxic   |
| vPvB:         | very Persistent and very Bioaccumulative  |
| Flam. Liq. 2: | Flammable liquids, Hazard Category 2  |
| Eye Irrit. 2: | Serious eye damage/eye irritation, Hazard Category 2  |
| STOT SE 3:    | Specific target organ toxicity - Single exposure, Hazard Category 3   |

\* Data compared to the previous version altered.