



According to 1907/2006/EG, Article 31
Revision: 27.04.2018

Version number 2



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Gypsum Gloss

1. Identification of the substance / Preparation and Company:



- 1.1 Product identifier
Commercial product name: Gypsum Gloss
- 1.2 Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.
Application of the substance / the mixture: -
- 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 / 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 - 25 (Mon-Fri. 8 a.m. – 4 p.m.)

2. Hazards Identification:

- 2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008.
-  GHS07
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.
- 2.3 Other hazards.
Results of PBT and vPvB assessment: PBT: Not applicable.
vPvB: Not applicable.

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 EINECS: 200-661-7	propan-2-ol  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10 %

Additional information: For the wording of the listed risk phrases refer to section 16.



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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: Generally, the product does not irritate the skin. 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.
- 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.

5. Fire Fighting measures:

- 5.1 Suitable extinguishing agents: CO₂, 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.

6. Accidental release measures:

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

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.
Specific end use(s): No further relevant information available.

8. Exposure controls / Personal protection:

Additional information about design of technical facilities: No further data: see item 7.

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 ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

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



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8.2 Exposure controls

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.
Not required.

Respiratory protection:
Protection of hands:



Protective 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.

Material of gloves:

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.

Physical and chemical properties:

9.1 General information:

Form:	Fluid
Colour:	Light yellow
Odour:	Fruit-like
Odour threshold:	Not determined.
pH-value:	11,3
Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point / Boiling range:	82 °C
Flash point:	> 60 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	425 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density at 20°C:	0,98 g/cm ³



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Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Solvent content:	
Organic solvents:	6,9 %
Water:	90,0 %
VOC (EC):	6,9 %
Solids content:	8,0 %
9.2 Other information:	No further relevant information available.

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.

11. Toxicological Information:

11.1 Information on toxicological effects	
Acute toxicity:	Based on available data, the classification criteria are not met.
Primary irritant effect:	
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
Sensitisation:	Based on available data, the classification criteria are not met.
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.

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



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12.6 Other adverse effects: No further relevant information available.

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.
European waste catalogue:

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	Wastes from the MFSU of fine chemicals and chemical products not otherwise specified.
07 07 04	wastes not otherwise specified

Uncleaned packaging – Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. Transport Information:

14.1 UN-Number: -
14.2 UN proper shipping name: -
ADR: -
14.3 Transport hazard class(es): -
14.4 Packing group: -
14.5 Environmental hazards:
Marine pollutant: No
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
Transport/Additional information:
ADR
Limited quantities (LQ): -
Transport category: -
UN "Model Regulation": Void

15. Regulatory Information:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008: GHS label elements
REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Further 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.

16.1 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

16.2 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".



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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)
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