

EU - SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date: 13.03.2026

Version: 1.0



Gypsum setting accelerator

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

1.1 Product identifier:

Trade name:	Gypsum setting accelerator
CAS Number:	7778-80-5
EC number:	231-915-5

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

Identified uses:	Accelerator
Uses advised against:	No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Supplier:	ERNST HINRICHS Dental GmbH
Street / mailbox:	Borsigstr. 1
Country code. / postal code / city:	D - 38644 Goslar
Phone:	Tel.: +49 (0) 5321 - 5 06 24
Fax:	Fax: +49 (0) 5321 - 5 08 81
E-mail / Website:	info@hinrichs-dental.de - www.hinrichs-dental.de

1.4 Emergency telephone number:

ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 37 79 - 0 (Mo-Fr 8:00-16:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The substance is not classified, according to the CLP regulation.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008	Void
Hazard pictograms	Void
Signal word	Void
Hazard statements	Void

2.3 Other hazards:

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

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS No. Description	CAS: 7778-80-5 potassium sulphate, containing in the drystate more than 52 per cent by weight of K2O
Identification number(s)	EC number: 231-915-5

3.2 Mixtures

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SECTION 4: First aid measures

4.1 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.

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:

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use fire extinguishing methods suitable to surrounding conditions.

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

6.2 Environmental Precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

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:

No special measures required.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

store in a dry place between 5 °C and 40 °C.

Requirements to be met by storerooms and receptacles:

No special requirements.

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Information about storage in one common storage facility: Not required
Further information about storage conditions: None.
Storage Class: 13

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: Not required

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

8.2 Exposure controls

Appropriate engineering controls:
No further data; see section 7.

Individual protection measures, such as personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required

Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

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 gloves made of the following materials are suitable: Natural rubber, NR

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Natural rubber, NR

Eye/face protection: Not required

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Solid

Colour: Not determined

Odour: Characteristic

Odour threshold: Not determined

Melting point/freezing point: 1,069 °C

Boiling point or initial boiling point and boiling range: 1,689 °C

Flammability: Product is not flammable.

Flammability Limit - Upper (%): Not determined

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Flammability Limit - Lower (%):	Not determined
Flash point:	Not applicable
Decomposition temperature:	Not determined
pH	Not applicable
Viscosity:	
Kinematic viscosity:	Not applicable
Dynamic:	Not applicable
Solubility(ies):	
water at 20 °C:	111 g/l
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not applicable
Density and/or relative density	
Density at 20 °C:	2.66 g/cm ³
Relative density	Not determined
Vapour density	Not applicable
Particle characteristics:	See section 3.

9.2 Other information:

Appearance:	
Form:	Solid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined
Explosive properties:	Product does not present an explosion hazard.
Molecular weight:	174,27 g/mol
Change in condition	Approximate 4 000 mPa.s
Evaporation rate	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

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

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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.

LD/LC50 values relevant for classification:

Component	Test	Value	Spezies
Product	LD50	6,600 mg/kg	rat

Primary irritant effect:

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.

Respiratory or Skin Sensitization:

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

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.

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Specific Target Organ Toxicity - Single Exposure:

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

Specific Target Organ Toxicity - 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:

Substance is not listed.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity:

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

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 disruptive effect

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) (Assessment by list): slightly hazardous for water.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Smaller quantities can be disposed of with household waste.

Waste code:

17 09 04

Uncleaned packaging:

Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA:	Void
14.2 UN proper shipping name ADR, IMDG, IATA:	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA:	Void
14.4 Packing group ADR, IMDG, IATA.	Void
14.5 Environmental hazards Not applicable	
14.6 Special precautions for user Not applicable	
14.7 Maritime transport in bulk according to IMO Instruments Not applicable	
UN "Model Regulation":	Void

SECTION 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 Void Directive 2012/18/EU Named dangerous substances - ANNEX I Substance is not listed. DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II Substance is not listed. REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) Substance is not listed. Annex II - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed. Regulation (EC) No 273/2004 on drug precursors Substance is not listed.

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Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Substance is not 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.

Contact:

info@siladent.de

Abbreviations and acronyms:

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
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent