

Material Safety Data Sheet

according to Regulation (EU) 2015/830



Revision:02

Revision Date: 2024-09-09

Print Date : 2018-12-20

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

1.1. Product identifier

Product Name: Glass Ionomer Powder

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

[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU20] Health services; [PC19] Intermediate; [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact);

1.3. Details of the supplier of the safety data sheet

Company Name: President Dental GmbH

Street: Kesselbodenstrasse 5

Zip-Code / Town: 85391 , Allershausen

Web: www.presidentdental.com

Contact for technical information: +49 8166 389 9 820

Phone / Fax / E-Mail: +49 8166 389 9 820 / +49 8166 389 9 821 / info@presidentdental.com

1.4. Emergency Telephone Number

+49 89 127 660 (8.00 am – 4.30 pm Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards :	No Significant Hazard
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2.2. Label Elements

Risk phrases :	No Significant Hazard
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2.3. Other Hazards

Other Hazards :	No data available
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Further Information

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempte from the provisions of regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

SECTION 3: Composition/information on ingredients

3.1. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	Reach	Conc.	Classification	M-Factor
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				Registration Number	(%w/w)		
Tetraethyl silicate(Tetraethylsilicate)	014-005-00-0	78-10-4	201 -083-8		1-10%	R10 Xn; R20 Xi; R36/37	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	Reach Registration Number	Conc. (%w/w)	Classification	M-Factor
Tetraethyl silicate(Tetraethylsilicate)	014-005-00-0	78-10-4	201 -083-8		1-10%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2; H319; STOT SE H335;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye Contact:	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin Contact:	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	Irritating to respiratory system.
Eye Contact:	Irritating to eyes.
Skin Contact:	Irritating to skin.
Ingestion	Ingestion may cause nausea and vomiting

4.3. Indication of any immediate medical attention and special treatment needed

	No data available.
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SECTION 5: Firefighting Measures

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5.1. Extinguishing media

Carbon oxides.

5.2. Special Hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear protective clothing. Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal Precautions, protective equipment and emergency procedures.

Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area.

6.2 Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

See SECTION 13: Disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of working area. Wear suitable protective clothing.

7.2. Conditions for safe storage, including any incompatibilities.

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific and use(s)

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None

SECTION 8: Exposure controls/personal protection

8.1. Control Parameters

8.1.1. Exposure Limit Values

Tetraethyl silicate (Tetraethylacetate)	DIR: -	8hTWA ppm: 50
	8hTWA mg/m ³ : 120	STEL ppm: 100
	STEL mg/m ³ :300	NOT: Skin

8.2. Exposure Controls

8.2.1 Appropriate engineering controls
8.2.2. Individual protection measures Eye / face protection – Hand Protection



Ensure adequate ventilation of the working area.
Wear protective clothing.
Approved safety goggles.
Chemical resistance gloves.
Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White
Odour	Not applicable
Odour Threshold	No data available
pH	No data available
Melting Point	No data available
Freezing Point	No data available
Initial Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid,gas)	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Relative Density	No data available
Fat Solubility	No data available
Partition Coefficient	No data available

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Autoignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available
Solubility	Insoluble in water.

9.2. Other Information

Conductivity	No data available
Surface Tension	No data available
Gas Group	No data available
Benzene Content	No data available
Lead Content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of Hazardous Reactions

Oxidising agents

10.4. Conditions to avoid

Heat

10.5 Incompatibles materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity	No data available.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause irritation to mucous membranes.

SECTION 12: Ecological information

12.2. Persistence and degradability

No data is available on this product

12.3. Bioaccumulative potential

No data is available on this product

Partion Coefficient

Glass Ionomer Powder No data available
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12.4. Mobility in Soil

No data available on this product.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data is available.

SECTION 13: Disposal Considerations

13.1. Waste Treatment methods

Dispose of in compliance with all local and national regulations.

13.2. Disposal Method

EWC For disposal within the EC the appropriate code according to the European Waste Catalogue (EWC) should be used.

13.3. Disposal Packaging

Do NOT reuse empty containers.

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SECTION 14: Transport information

14.1 UN number

The product is not classified as dangerous for carriage

14.2. UN proper shipping name

The product is not classified as dangerous for carriage

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage

14.4. Packing Group

The product is not classified as dangerous for carriage

14.5. Environmental hazards

The product is not classified as dangerous for carriage

14.6. Special precautions for user

The product is not classified as dangerous for carriage

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage
The product is not classified as dangerous for carriage

SECTION 15: Regulatory information

15.2. Chemical safety assessment

No data available on this product.

SECTION 16: Other information

Other Information

Revision	This document differs from the previous version in the following areas; 5-5.2. Special hazards arising from the substance or mixture. 5-5.3. Advice for firefighters 7-7.1 Precautions for safe handling 8-Skin Protection-Handprotection
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9- 9.1. Information on basic physical and chemical properties (PH)
 9- 9.1. Information on basic physical and chemical properties (Initial Boiling Point)
 9- 9.1. Information on basic physical and chemical properties (Melting Point)
 9- 9.1. Information on basic physical and chemical properties (Flash Point)
 9- 9.1. Information on basic physical and chemical properties (Flammability (solid, gas))
 9- 9.1. Information on basic physical and chemical properties (Autoignition temperature)
 9- 9.1. Information on basic physical and chemical properties (Explosive properties)
 9- 9.1. Information on basic physical and chemical properties (Oxidising Properties)
 9- 9.1. Information on basic physical and chemical properties (Vapour Pressure)
 9- 9.1. Information on basic physical and chemical properties (Relative density)
 9- 9.1. Information on basic physical and chemical properties (Viscosity)
 9- 9.1. Information on basic physical and chemical properties (Vapour density)
 9- 9.1. Information on basic physical and chemical properties (Evaporation rate)
 9- 9.1. Information on basic physical and chemical properties (Freezing Point)
 9- 9.1. Information on basic physical and chemical properties (Fat Solubility)
 9- 9.1. Information on basic physical and chemical properties (Solubility)
 9- 9.1. Information on basic physical and chemical properties (Odour threshold)
 9- 9.2. Other Information (Conductivity)
 9- 9.2. Other Information (Partition coefficient)
 9- 9.2. Other Information (Gas group)
 9- 9.2. Other Information (Surface tension)
 9- 9.2. Other Information (Benzene Content)
 9- 9.2. Other Information (Product Subcategory)
 9- 9.2. Other Information (Lead Content)
 11- 11.1.4 Toxicology Information,
 11- Acute toxicity
 11- Skin corrosion/irritation
 11- Respiratory or skin sensitisation
 11- Serious eye damage/irritation
 12-12.1. Toxicity
 16- Maximum content of VOC
 R10-Flammable
 R20-Harmful by inhalation
 R36/37 – Irritating to eyes and respiratory system.
 Flam. Liq. 3: H226 – Flammable liquid and vapour.
 Eye Irrit. 2 : H319 – Causes serious eye irritation.
 Acute Tox. 4: H332 – Harmful if inhaled.
 STOT SE 3: h335 – May cause respiratory irritation.

Further Information

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The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.