

### SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Glass Ionomer Restorative Fast Set

Revision 8  
Revision date 2022-01-18

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

#### 1.1. Product identifier

<b>Product name</b>	<b>300100</b> - Glass Ionomer Restorative Fast Set
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Product Use</b>	[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);
<b>Restricted use</b>	[SU21] Consumer uses: Private households (= general public = consumers);
<b>Description</b>	Dental product.

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

<b>Company Address</b>	Precision Dental Products Care House, Chester Road, Borehamwood, Hertfordshire, WD6 1LP	
<b>Web</b>	www.precisiondental.co.uk	
<b>Telephone</b>	+44 (0) <b>208 2360606</b> (Use for Emergency also)	<b>Manufactured by:</b> Advanced Healthcare Ltd Units 2-4 Leavers Estate, Chiddingstone Causeway, Tonbridge, Kent, TN11 8JU, UK
<b>Fax</b>	+44 (0) <b>2082360070</b>	
<b>Email</b>	sales@precisiondental.co.uk	

#### 1.4. Emergency telephone number


<b>Emergency telephone number</b>	+44(0) <b>2082360060</b> (8.00 am - 4.30 pm Mon - Fri)
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

<b>2.1.2. Classification - EC 1272/2008</b>	Eye Irrit. 2: H319;
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#### 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Eye Irrit. 2: H319 - Causes serious eye irritation.

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## 2.2. Label elements

Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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

Other hazards	PBT. vPvB. Not applicable.
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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 exempted 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.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
L(+) Tartaric Acid		87-69-4	201-766-0	01-2119537204-47		Eye Dam. 1: H318;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Do NOT induce vomiting.

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

Inhalation	May cause irritation to mucous membranes.
Eye contact	Causes serious eye irritation.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

## General information

	If you feel unwell, seek medical advice (show the label where possible).
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## 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.

### 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

Avoid raising dust. 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 for disposal information. See Section 8 for exposure controls/personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in original container.

### 7.3. Specific end use(s)

See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available.

DNEL: Derived no-effect level.

#### Exposure Pattern - Workers

L(+) Tartaric Acid	Long-term - inhalation - Systemic effects	5.2 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	2.9 mg/kg	

#### Exposure Pattern - General population

L(+) Tartaric Acid	Long-term - inhalation - Systemic effects	1.3 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	1.5 mg/kg	
	Long-term - oral - Systemic effects		8.1 mg/kg

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Wear chemical protective clothing.

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## 8.2. Exposure controls

Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves.
Respiratory protection	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	Odourless
pH	No data available
Melting 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	Not applicable.
Vapour density	Not applicable.
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	Not applicable.
Explosive properties	No data available
Oxidising properties	No data available
Odour threshold	Not applicable.
Freezing Point	No data available
Solubility	Insoluble in water

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
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.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data is available on this product.
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## 10.4. Conditions to avoid

	Heat. Moisture.
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## 10.5. Incompatible materials

	Strong acids. Strong bases.
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## 10.6. Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause irritation to mucous membranes.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	Irritating to respiratory system.
Repeated or prolonged exposure	Irritating to skin.

## 11.1.4. Toxicological Information

L(+)-Tartaric Acid	Oral Rat LD50: 2000 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
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## SECTION 12: Ecological information

## 12.1. Toxicity

L(+)-Tartaric Acid	Daphnia EC50/48h: 93.1000 mg/l Fish LC50/96h: 100.0000 mg/l	Algae IC50/72h: 51.4000 mg/l
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## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

Glass Ionomer Restorative Fast Set	No data available	L(+)-Tartaric Acid -1.91 log P
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## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

No data is available on this product.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all. local and national regulations.

## General information

18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND /OR RELATED RESEARCH( except kitchen and restaurant wastes not arising from immediate health care). 18 01 wastes from

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## General information

	natal care, diagnosis, treatment or prevention of disease in humans. 18 01 06 chemicals consisting of or containing dangerous substances.
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## Disposal methods

	Do not empty into drains. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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## SECTION 14: Transport information

### 14.1. UN number

	The product is not classified as dangerous for carriage.
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### 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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### 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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### 14.4. Packing group

	The product is not classified as dangerous for carriage.
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### 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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### 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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### 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.
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## SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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### 15.2. Chemical safety assessment

	No data available.
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## SECTION 16: Other information

### Other information

Revision	This document differs from the previous version in the following areas: 1 - Product Use. 9 - 9.2. Other information (Benzene Content). 9 - 9.2. Other information (Product Subcategory). 9 - 9.2. Other information (Lead content).
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## Other information

Text of Hazard Statements in Section 3	16 - Maximum content of VOC.
	Eye Dam. 1: H318 - Causes serious eye damage.

## Further information

	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.
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