

## Material Safety Data Sheet

according to Regulation (EU) 2015/830

MSDS No: PER087L

Issue No: 4

### **IMPORTANT**

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

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### **1. IDENTIFICATION**

Product Name	Perfection Plus Everest Glass Ionomer Restorative Liquid
Company Name	Perfection Plus Ltd
Company Address	6 Westwood Court, Brunel Road, Totton, Hants. SO40 3WX. UK
Company Phone No.	+44 (0) 2380 866 677

### **2. HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	
Main hazards	No Significant Hazard
<b>2.2. Label elements</b>	
Risk phrases	No Significant Hazard
<b>2.3. Other hazards</b>	
Other hazards	No data available.
<b>Further information</b>	
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.	

### **3. COMPOSITION/DATA ON COMPONENTS**

67/548/EEC / 1999/45/EC

### **4. FIRST AID MEASURES**

Inhalation	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Skin Contact	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye Contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes, holding the eyelids open. Seek medical attention if

**8.1 Exposure controls**

	irritation or symptoms persist.
Ingestion	May cause irritation to the mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

**5. FIRE FIGHTING MEASURES**

**5.1 Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

**5.2 Special hazards arising from the substance or mixture**

Burning produces irritating, toxic and obnoxious fumes.

**5.3 Advice for firefighters**

Wear suitable respiratory equipment when necessary.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area.

**6.2 Environmental precautions**

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

**6.3 Methods and materials for containment and cleaning up.**

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

**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, ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

**7.3 Specific end use(s)**

None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**



### 8.1.1 Appropriate engineering controls

Ensure adequate ventilation of the working area.

### 8.1. 2 Individual Protection Measures

Wear chemical protective clothing

Eye / face protection – in case of splashing wear approved safety goggles

Skin / Hand protection – chemical resistant gloves

Respiratory protection – wear suitable respiratory equipment when necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical State	Viscous liquid.
Colour	Clear/Colourless
Odour	Slight/Odourless
Odour Threshold	No data available
pH	< 3
Melting Point	No data available
Freezing Point	No data available
Initial boiling Point	No data available
Flash Point (°C)	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
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

### 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

## **10. STABILITY AND REACTIVITY**

<p><b>10.1 Reactivity</b> Stable.</p> <p><b>10.2 Chemical stability</b> Stable under normal conditions.</p> <p><b>10.3 Possibility of hazardous reactions</b> No data available.</p> <p><b>10.4 Conditions to avoid</b> Heat.</p> <p><b>10.5 Incompatible materials</b> Strong acids. Strong bases.</p> <p><b>10.6 Hazardous decomposition products</b> Carbon dioxide (CO<sub>2</sub>).</p>
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## **11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Acute toxicity	Harmful in contact with skin and if swallowed.
Skin corrosion/irritation	CAUSES SKIN IRRITATION.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
Aspiration hazard	Harmful if swallowed or if inhaled.
Repeated or prolonged exposure	Corrosive and Irritant Effects.
Further information	No data is available on this product.

## **12. ECOLOGICAL INFORMATION**

<b>12.1. Persistence and degradability</b>	No data is available on this product.
<b>12.2. Bioaccumulative potential</b>	
<b>Partition coefficient</b>	<b>Everest Glass Ionomer Restorative Liquid</b> No data available
<b>12.3. Mobility in soil</b>	No data is available on this product.
<b>12.4. Results of PBT and vPvB assessment</b>	None.
<b>12.5. Other adverse effects</b>	No data available.

### 13. DISPOSAL CONSIDERATIONS

In accordance with all local and national regulations.  
 18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND /OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care).  
 For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.  
 Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

### 14. TRANSPORTATION 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.

### 15. REGULATORY INFORMATION

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

No data available.

#### 15.2. Chemical safety assessment

No data is available on this product.

### 16. OTHER INFORMATION

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>8 - Skin protection – Hand Protection.</li> <li>8 - Eye / face protection.</li> <li>9 - 9.1. Information on basic physical and chemical properties (PH).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).</li> <li>9 - 9.1. Information on basic physical and chemical properties</li> </ul>
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	<p>(Melting point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Oxidising properties).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Relative density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Freezing Point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Solubility).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p> <p>9 - 9.2. Other information (Conductivity).</p> <p>9 - 9.2. Other information (Partition coefficient).</p> <p>9 - 9.2. Other information (Gas group).</p> <p>9 - 9.2. Other information (Surface tension).</p> <p>9 - 9.2. Other information (Benzene Content).</p> <p>9 - 9.2. Other information (Product Subcategory).</p> <p>9 - 9.2. Other information (Lead content).</p> <p>11 - 11.1.4. Toxicological Information.</p> <p>11 - Acute toxicity.</p> <p>11 - Skin corrosion/irritation.</p> <p>11 - Respiratory or skin sensitisation.</p> <p>11 - Repeated or prolonged exposure.</p> <p>11 - Germ cell mutagenicity.</p> <p>11 - Carcinogenicity.</p> <p>11 - Reproductive toxicity.</p> <p>11 - Aspiration hazard.</p> <p>12 - 12.1. Toxicity.</p> <p>13 - General information.</p> <p>16 - Maximum content of VOC.</p>
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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**ISSUE No: 4**

**SUPERSEDES  
ISSUE: 3**

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**DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**Emergency Phone No: 023 8086 6677**