



RELIANCE

ORTHODONTIC
PRODUCTS

Safety Data Sheet

FIRST AND FINAL PROPHYLAXIS PASTE

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Section 1 – Identification of the substances/mixture and of the company/undertaking

1.1 Product Identifier

Product Form: Mixture **Product Name:** First and Final
Product Group: Trade product

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

1.2.1 Relevant identified uses

Use of substance/mixture: Professional Dental Polishing Paste

1.3 Details of the supplier of the safety data sheet

Manufacturer: Reliance Orthodontic Products, Inc.

1540 West Thorndale Ave, Itasca, IL 60143 USA

Information Contacts: 630-773-4009

Toll Free: 800-323-4348

EC Representative:

Emergo Europe, Prinsessegracht 20, 2514 AP, The Hague,
The Netherlands

Australian Sponsor: Emergo Australia, 201 Sussex St. Darling
Park, Tower II, Level 20, Sydney, NSW 2000 Australia

1.4 Emergency Telephone Numbers

CHEMTREC – 24 Hour Hazmat Emergency Communications Center

Domestic: 1-800-424-9300 Outside of US: 1-703-527-3887

Section 2 – Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irritant 1 H316

Eye Irritant 2 H319

Resp. Sens 1 H355

Ingestion 1 H303

Adverse physicochemical, human health and environmental effects:

No additional information available.



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2.2 Label Elements

Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

<p>European Community: Hazard Pictogram (CLP)</p> 	<ul style="list-style-type: none"> • SIGNAL WORD(CLP): DANGER SYMBOLS: GHS07 – Warning / Irritant • HAZARD STATEMENT(CLP): H316, Causes mild skin irritation. H319, Causes serious eye irritation H335, May cause respiratory irritation. H303, May be harmful if swallowed. • PRECAUTIONARY STATEMENT[CLP]: P102, Keep out of reach of children; P261, Avoid breathing dust/fume/gas mist/vapor sprays; P280, Wear protective gloves/clothing/eye protection/face protection; P309+314, If exposed or you feel unwell, get medical advice/attention.
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2.3 Other Hazards

No additional information available

Section 3 – Composition/Information on Ingredients

3.1 Substance

Not Applicable

3.2 Mixture:

Name	Product Identifier				
Chemical Name	CAS Numbers	EC no#	INCI Name	EC Index No	%
Glycerol	56-81-5	200-289-5	Glycerin	REACH Reg No. 01-2119471987-18- xxx	20-30

Glycerol: Danger Symbol – GHS07
Hazard Statement – H315, H319
Precautionary Statement – P404, P403+ 235

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

4.1 Description of first aid measures

First Aid for Eye	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
First Aid for Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.
First Aid for Ingestion	If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water or milk. Seek medical attention.
First Aid for Inhalation	Move to fresh air. If having breathing difficulty, give oxygen. Seek medical attention if discomfort persists.

4.2 Most important symptoms and effects, both acute and delayed

Primary Route of Entry	Inhalation, skin, and ingestion.
Eye	Vapors are irritating to the eyes. Splashes may cause redness of the eye.
Skin	Repeated/prolonged contact may cause mild irritation of the skin. Symptoms include redness, burning, or itching.



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Ingestion	Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Symptoms include irritation of the throat, nausea, dizziness, and upset stomach.
Inhalation	If fine small particles are inhaled, irritation of the throat with a feeling of tightness in the chest may occur.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

Section 5 – Fire Fighting Measures

5.1 Extinguisher Media

Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for fire fighters

During a fire, irritating or highly toxic gases may be generated by thermal decomposition. If potential for exposure, wear complete personal protective equipment including self-contained breathing apparatus, with full face operated in pressure demand. Fight fire from a safe distance/protected location.

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Unusual Hazards:	Evacuate all personnel.
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Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.11 For non-emergency personnel

General Measures	Minor spills – Clean up immediately, avoid contact with skin and eyes. Mop area and clean with soapy water Major spills – Clear area of personnel. Restrict access to area. Avoid contact with skin and eyes, and mop / squeegee area with soapy water. Collect contaminated water and dispose of properly. See section 8 & section 12.
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6.12 For emergency responders:

During a fire, irritating or highly toxic gases may be generated by thermal decomposition. If potential for exposure, wear complete personal protective equipment including self-contained breathing apparatus, with full face operated in pressure demand. Fight fire from a safe distance/protected location.

6.2 Environmental Precautions:
No additional information available

6.3 Methods and materials for containment and cleanup

No additional information available.

6.4 Reference to other sections

No additional information available.



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Section 7 – Handling and Storage

7.1 Precautions for Safe Handling

Additional Hazards when processed	Limit all unnecessary personal contact.
Precautions for safe handling	Avoid breathing dust / vapors. Wear appropriate PPE. General exhaust is adequate under normal operating conditions.
Hygiene Measures:	None.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Store in a cool, well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Keep in original container provided by manufacturer.

7.3 Specific End Use(s):

Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.
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Section 8 – Exposure Controls / Personal Protection

8.1 Control Parameters

GLYCEROL 56-81-5 (CAS)

Limits ACGIH	Carcinogen	
TWA/STEL	IARC/NTP/OSH	OELV
(as mist)	A	
TWA = 5 mg/m ³	Not listed	10 S.I. No. 619 of 2001

Name of substance compartment	CAS No	Endpoint	Threshold level Environmental
Exposure time			
Glycerol	56-81-5 PNEC	0,885 mg/l	freshwater short-term (single instance)
Glycerol	56-81-5 PNEC	0,0885 mg/l	marine water short-term (single instance)
Glycerol	56-81-5 PNEC	1.000 mg/l	sewage treatment plant (STP) short-term (single instance)
Glycerol	56-81-5 PNEC	3,3 mg/kg	freshwater sediment short-term (single instance)
Glycerol	56-81-5 PNEC	0,33 mg/kg	marine sediment short-term (single instance)
Glycerol	56-81-5 PNEC	0,141 mg/kg	soil short-term (single instance)
Glycerol	56-81-5 PNEC	8,85 mg/l	water continuous

8.2 Exposure Controls

Eye/ Face Protection	Safety glasses / goggles or splash shields are required when handling. Ensure eye bath is on hand.
Skin Protection	No special equipment for minor exposure (i.e. when handling small quantities), but is recommended to use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.



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Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Colored paste	Odor of Stated Flavor	6-8	(H ₂ O = 1): N/A	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/DA	N/DA	N/A	N/A	N/A	N/A	N/A

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

9.2 Other Information

No additional information available.

Section 10 – Stability and Reactivity

10.1 Reactivity

Unreactive

10.2 Chemical Stability

Stable

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to Avoid

Heat and incompatible materials

10.5 Incompatible Materials

Strong Acids

10.6 Hazardous Decomposition Products

Toxic Fumes (HF)

Section 11 – Toxicological Information

11.1 Information on Toxicological Effects

Glycerol

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
N/DA	N/DA	N/DA	N/DA	N/DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	N/DA

Section 12 – Ecological Information

12.1 Toxicity

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Toxicity to Sewage Bacteria
N/DA	N/DA	N/DA	N/DA

12.2 Persistence and Degradability

Biodegradability
Biodegradable. This material is not expected to significantly bioaccumulate.



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12.3 Bioaccumulative Potential

Bioconcentration	Chemical Oxygen Demand
N/DA	N/DA

12.4 Mobility in Soil

No information available

Section 13 – Disposal Considerations

13.1

Dispose of in compliance with governmental regulation (state and federal).

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

14.1 UN Number

UN or ID Number:	N/A (per ADR, IMDG, IATA, and RID)
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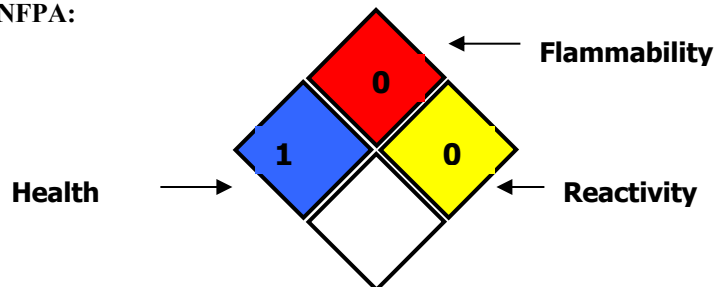
14.2 UN Proper Shipping Name:

Proper Shipping Name:	Non-regulated material (per ADR, IMDG, IATA, and RID)
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14.3 Transport hazard Class(es)

Transport Hazard Class:	N/A (per ADR, IMDG, IATA, and RID)
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NFPA:



HMIS:

1	Health
0	Flammability
0	Reactivity

14.4 Packaging Group:

Not regulated per ADR, IMDG, IATA and RID

14.5 Environmental Hazards

Dangerous for the environment: No

Marine Pollutant: No

Other Information: No supplementary information available

14.6 Special precautions for user

Not regulated



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14.6.2 Transport by Sea

Not Regulated

14.6.3 Air Transport

Not regulated

14.6.4 Inland Waterway Transport

No regulated

14.6.5 Rail Transport

Not Regulated

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

Not Applicable

Section 15 – Regulatory Information

15.1 Safety Health and Environmental Regulations/legislations specific for the substance or mixture:

15.1.1 EU Regulations

Contains no REACH substances with Annex XVII Restrictions

Contains no substances on the REACH Candidate List

Contains no REACH Annex XIV substances

15.1.2 National Regulations

VwVwS Annex Reference: Water Hazard Class not applicable

12th Ordinance Implementing the Federal Immission Control Act – 12.BImSchV: Not subject to the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands:

SZW – lijst van kankerverwekkende stoffen	<ul style="list-style-type: none">• Not applicable
SZW – lijst van mutagene stoffen	<ul style="list-style-type: none">• Not applicable
NIET – limitatieve lijst van voor de voortplasnting giftige stoffen- Borstvoeding	<ul style="list-style-type: none">• Not applicable
NIET – limitatieve lijst van voor de voortplasnting giftige stoffen- Vruchtbaarheid	<ul style="list-style-type: none">• Not applicable
NIET – limitatieve lijst van voor de voortplasnting giftige stoffen- Ontwikkeling	<ul style="list-style-type: none">• Not applicable

Section 16 – Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

Items in parenthesis relate to 1999/45/EC
Danger Symbols:



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GHS06 – Toxic
GHS07 – Warning / Irritants

Hazard Statement: **H301**, Toxic if swallowed. **H315**, Causes skin irritation. **H316**, Causes mild skin irritation. **H319**, Causes serious eye irritation. **H335**, May cause respiratory irritation. **H336**, May cause drowsiness or dizziness. **EUH032**, Contact with acid liberates very toxic gas. **H303**, May be harmful if swallowed.

Precautionary Statement:

P102, Keep out of reach of children. **P261**, Avoid breathing dust/fume/gas mist/vapor sprays. **P280**, Wear protective gloves/clothing/eye protection/face protection. **P309+314**, If exposed or you feel unwell, get medical advice/attention. **P404**, Store in a closed container. **P403+235 9)**, Store in a well ventilated place. Keep cool.