



RELIANCE

ORTHODONTIC
PRODUCTS

Safety Data Sheet

RESTORE POLISHING 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: Restore Polishing Paste
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 2 H315

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): H315, Causes mild skin irritation. • PRECAUTIONARY STATEMENT[CLP]: P202, Do not handle until all safety precautions have been read and understood; P264, Wash hands thoroughly after handling; P280, Wear appropriate personal protective equipment when handling product. Include face protection (safety glasses w/side shields) and impervious gloves (nitrile). P305+351+338: 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. P501: Dispose of content and/or container in accordance with local, regional, national and/or International regulations.
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2.3 Other Hazards

No additional information available

Section 3 – Composition/Information on Ingredients



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3.1 Substance

Not Applicable

3.2 Mixture:

Name Chemical Name	Product Identifier		Classification	%
	CAS Numbers	EINEC #		
Polyethylene Glycol	25322-68-3	500-038-2	Not Classified	50-70
Triethylene Glycol	112-27-6	203-953-2	Acute Toxicity Oral 4 – H302 STOT RE 2 – H373	20-40
Diamond	7782-40-3	231-953-2	Not Classified	<20
High-Polymeric Carbohydrate Material	9005-25-8	232-679-6	Not Classified	≤10
Silicon Dioxide	7631-86-9	2331-545-4	Not Classified	≤1
Bentonite	1302-78-9	215-108-5	Not Classified	≤1

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	Immediately flush eyes with plenty of water, lifting lower and upper eyelids occasionally until abrasive material is removed. Get medical attention if irritation persists. After initial flushing, remove any contact lenses, if worn.
First Aid for Skin	Remove contaminated clothing. Immediately wash with soap and water and rinse thoroughly. Seek medical attention if required.
First Aid for Ingestion	No ingestion hazard is expected under normal industrial use. Do not induce vomiting. Seek medical immediate medical attention.
First Aid for Inhalation	Remove to fresh air. Seek medical attention if required.

4.2 Most important symptoms and effects, both acute and delayed

Primary Route of Entry	Skin and Eye
Eye	Mechanical irritant
Skin	Mechanical irritant

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

Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Burning may produce smoke, carbon monoxide, carbon dioxide and unburned hydrocarbons.

5.3 Advice for fire fighters

Use a self-contained breathing apparatus and full protection gear. Collect water used to fight fire, if possible.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes, and formation and accumulation of dust. Use personal protective equipment as specified in Section 8 of this SDS. Sweep or gather up material and place in proper container for disposal or recovery.

6.2 Environmental Precautions:

Avoid release into the environment.

6.3 Methods and materials for containment and cleanup

Containment: If material is spilled or released, cord off area. Persons not wearing appropriate protective equipment should be excluded from spill area until clean-up has been completed.

Clean-up: Wear appropriate personal protective equipment as specified in Section 8. Collect spilled material and clean up any residue material by vacuuming or wet sweeping to reduce dust generation and place into an appropriate container suitable for proper disposal in accordance with local, regional, national, and/or International regulations.

6.4 Reference to other sections

See Section 8 – Exposure Controls/Personal Protection and Section 13 – Disposal Consideration.

Section 7 – Handling and Storage

7.1 Precautions for Safe Handling

Wear appropriate protective gloves and safety glasses with side shields or chemical goggles. Avoid contacting or breathing of material. Use only in well-ventilated area and be sure to wash hands thoroughly after handling material.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a secure and well-ventilated area. Store under dry and cool conditions and away from ignition sources and direct sunlight.

7.3 Specific End Use(s):

Industrial Abrasive

Section 8 – Exposure Controls / Personal Protection

8.1 Control Parameters

Component Name	ACGIH TLV	AIHA WHEELs
Polyethylene Glycol	N/A	10 mg/m ³
Triethylene Glycol	None Established	None Established
Diamond	3 mg/m ³ *; 10 mg/m ³ **	None Established
High-polymeric Carbohydrate Material	10 mg/m ³	None Established
Silicon Dioxide	3 mg/m ³ *; 10 mg/m ³ **	None Established
Bentonite	3 mg/m ³ *; 10 mg/m ³ **	None Established

* Respirable fraction; ** Total Particulate (Nuisance Dust)

8.2 Exposure Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls (wet grinding) to maintain airborne levels below identified exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual Protection Measures:

Pictograms: 

Eye / Face Protection	Safety glasses with side shields or safety goggles should be worn when working with this material.
Skin Protection	Wear appropriate clothing or PPE to prevent repeated or prolonged contact with exposed skin.
Respiratory Protection	Not normally required. Wear suitable respiratory protection equipment when necessary.
Hands	Wear protective gloves: nitrile, neoprene, butyl, polyethylene or PVS. Always consult with your glove manufacturer or supplier for specific recommendations.
General Industrial Hygiene Considerations	Handle in accordance with good Industrial Hygiene and safety practices.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity
Opaque liquid of varying colors due to diamond size	Mild Odor	Not Applicable	(H ₂ O = 1): N/A	No data available

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Solubility In Water (20°C)
≥100 Degrees C/ Not Applicable	No data available	No data available	No data available	Not applicable	N/A	Miscible

Flash Point °C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
1116 Degrees C	No data available	N/A



9.2 Other Information

No additional information available.

Section 10 – Stability and Reactivity

10.1 Reactivity

Not reactive under recommended or normal conditions of handling, storage, processing and use.

10.2 Chemical Stability

Stable under recommended or normal conditions and storage.

10.3 Possibility of hazardous reactions

Not reactive at normal temperatures and pressure

10.4 Conditions to Avoid

None under normal Use. Avoid storage in excess of 95 Degrees F to prevent separation of components.

10.5 Incompatible Materials

Strong Oxidizers

10.6 Hazardous Decomposition Products

None with proper storage and handling

Section 11 – Toxicological Information

Toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, and ingredient may not be available for exposure, or the data may not be relevant to the material as a whole

11.1 Information on Toxicological Effects

Glycerol

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin Corrosion	Irritation – Eye Damage
No data available.	No data available.	No data available.	No data available.	No data available.

Respiratory / skin Sensitization	Germ Cell Mutagenicity	Carcinogenicity
No data available.	No data available.	No data available.
Reproductive Toxicity	STOT Single Exposure	STAT Repeated Exposure
No data available.	No data available.	No data available.
Aspiration Hazard		
No data available.		

Section 12 – Ecological Information

12.1 Toxicity

No data available.

12.2 Persistence and Degradability

No data available.

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12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Other Adverse Effects

No data available.

Section 13 – Disposal Considerations

13.1 Waste Treatment Methods

FACILITY LEVEL ENVIRONMENTALEMISSIONS/MITIGATION

Waste Management Controls Dispose in accordance with local/regional/national/international regulations. Two options are recommended:

1. Re-use
2. Recycling or other recovery

Wastewater should be processed through a sewage treatment plant (STP) either on-site or off-site

Section 14 – Transport Information

14.1 UN Number

UN or ID Number:	Not Applicable
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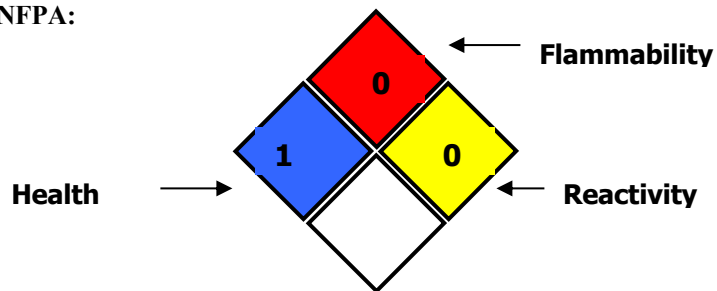
14.2 UN Proper Shipping Name:

Proper Shipping Name:	Not Applicable	Non-reg
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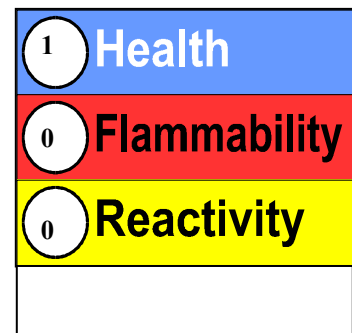
14.3 Transport hazard Class(es)

Transport Hazard Class:	Not Applicable	N/A (pe
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NFPA:



HMIS:



14.4 Packaging Group:

Not Applicable

14.5 Environmental Hazards

Not Applicable

14.6 Special precautions for user

Not Applicable



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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.BlmSchV: Not subject to the 12. BlmSchV (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:

GHS07 – Warning / Irritants

Hazard Statement: Acute Toxicity – Oral 4 – H302 -Harmful if swallowed. Specific Target Organ Toxicity after Repeated Exposure 2 – H373 May cause damage to organs through prolonged or repeated exposure.