

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Restore Polishing Paste

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Polishing agent for dental porcelain, zirconia, composite/hybrid resins,

##### 1.2.2. Uses advised against

None Known

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

##### Manufacturer/Importer/Representative/User/Distributor:

Reliance Orthodontic Products, Inc.  
1540 W. Thorndale Ave  
Itasca, IL 60143 USA  
T 630-773-4009, during normal business hours  
[regulatory@relianceorthodontics.com](mailto:regulatory@relianceorthodontics.com)  
[www.RelianceOrthodontics.com](http://www.RelianceOrthodontics.com)

##### Australian Sponsor:

Emergo Australia, 201 Sussex St.  
Darling Park, Tower II, Level 20  
Sydney, NSW 2000 Australia  
T +61 2 9006 1662

##### Switzerland Representative:

MedEnvoy Global BV  
Leidschendam-Voorburg, Zug Branch Office  
Gotthardstrasse 28, 6302 Zug, Switzerland  
T +41 41 462 01 42

##### FDA Registration:

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012  
/ Rules and Regulations  
FDA Registration: 1420089

##### EC Representative:

Emergo Europe  
Westervoortsedijk 60  
6827 AT Arnhem  
The Netherlands  
T +31 70 345 8570

##### U.K. Person Responsible:

Emergo Consulting (UK) Limited  
c/o Cr360 - UL International Compass House, Vision Park Histon  
Cambridge CB24 9BZ  
England, United Kingdom  
T +44(0) 1223 772 671

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - 24-Hour Hazmat Emergency Communications Center  
Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

### 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  
Eye Irritant 2B H320

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : 

Signal word (CLP) : Warning

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Contains	: Triethylene glycol, diamond
Hazard statements (CLP)	: H315 - Causes mild skin irritation H320 - Causes eye irritation
Precautionary statements (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. Including face protection (safety glasses w/side shields) and impervious gloves (nitrile). 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 attention/advice P501- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3. Other hazards

No additional information available.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Triethylene Glycol	112-27-6	20-50%	-
Diamond	7782-40-3	<20%*	-

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: No additional information available.
First-aid measures after inhalation	: Remove to fresh air. Seek medical attention if required.
First-aid measures after skin contact	: Remove contaminated clothing. Immediately wash with soap and water and rinse thoroughly. Seek medical attention if required.
First-aid measures after eye contact	: 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 measures after ingestion	: No ingestion hazard is expected under normal use. Rinse. Seek immediate medical attention. Do not induce vomiting.

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

Symptoms/effects after skin contact	: Eye & skin mechanical irritant
Symptoms/effects after eye contact	: Eye & skin mechanical irritant

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

No additional information available.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing 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

Hazardous decomposition products in case of fire : Burning may produce smoke, carbon monoxide, carbon dioxide, and unburned hydrocarbons.

#### 5.3. Advice for firefighters

Protection during firefighting : Use a self-contained breathing apparatus and full protection gear. Dike and collect water used to fight fire if possible.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

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. Wash exposed skin (hands/face) with soap and warm water. Wash exposed clothing with normal cleaning.

##### 6.1.2. For emergency responders

Protective equipment : No additional information available.

#### 6.2. Environmental precautions

Avoid release into the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning 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.

Other information : If material is spilled or released, cordon off area. Persons not wearing appropriate protective equipment should be excluded from spill area until clean-up has been completed. Clear or clean small spills with tissue or paper towels. Dispose of with normal waste.

#### 6.4. Reference to other sections

See sections 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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.

Hygiene measures : 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.

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

Storage conditions : 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. Avoid hot conditions which could cause material to temporarily liquefy and components separate out. Re-mixing can reconstitute the blend of components.

### 7.3. Specific end use(s)

Polishing agent/paste for re-glazing/polishing porcelain, zirconia, lithium disilicate, composite/hybrid and nano-resins, metals.

### 8.1. Control parameters

**Triethylene Glycol** – OSHA PEL: None Established. ACGIH TLV: None Established.

**Diamond** – OSHA PEL: 5 mg/m<sup>3</sup> (respirable fraction); 15 mg/m<sup>3</sup> (total particulate nuisance dust). ACGIH TLV: 3 mg/m<sup>3</sup> (respirable fraction); 10 mg/m<sup>3</sup> (total particulate nuisance dust)

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

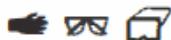
#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering 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.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses with side shields or safety goggles should be worn when working with this material. Use material sparingly; avoid splatter.

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear appropriate clothing or PPE to prevent repeated or prolonged contact with exposed skin. Wash exposed skin with warm water and soap.

###### Hand protection:

Wear protective gloves: nitrile, neoprene, butyl, polyethylene, latex or PVC. Always consult with your glove manufacturer or supplier for specific recommendations.

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

If ventilation is not sufficient to control exposures below the applicable exposure limits, an appropriate NIOSH approved air-purifying respirator equipped with organic vapor cartridges with dust/mist pre-filter is recommended. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

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### 8.2.2.4. Thermal hazards

No additional information available.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

No additional information available.

#### Other information:

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

Physical state	: Paste
Colour	: Varying
Appearance	: Opaque paste of varying colors due to diamond size and dye (colorant) used
Odour	: Mild odor
Odour threshold	: No data available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Greater than or equal to 212° F
Flammability	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: Greater than 242° F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: Not applicable
pH solution	: No data available
Viscosity, kinematic	: No data available
Solubility	: Miscible
Partition coefficient n-octanol/water (Log Kow)	: No data available
Vapour pressure	: No data available
Vapour pressure at 50°C	: No data available
Density	: No data available
Relative density	: 1 {Ref Std:WATER=1}
Relative vapour density at 20°C	: No data available
Particle size	: No data available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional physical and chemical parameters noted

#### 9.2.2. Other safety characteristics

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 normal use conditions and storage.

### 10.3. Possibility of hazardous reactions

Not reactive at normal temperatures and pressure.

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### 10.4. Conditions to avoid

None under normal use. Heat which could cause components to separate out.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

None with proper storage and handling.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: No Data Available
Acute toxicity (dermal)	: No Data Available
Acute toxicity (inhalation)	: No Data Available
Skin corrosion/irritation	: Mechanical skin irritation. Signs/symptoms may include abrasion, redness, pain and itching.
Serious eye damage/irritation	: Mechanical eye irritation. Signs/symptoms may include pain, redness, tearing and corneal abrasion.
Respiratory or skin sensitisation	: No Data Available
Germ cell mutagenicity	: No Data Available
Carcinogenicity	: None of the components of these products is listed as a carcinogen or suspected carcinogen by OARC, NTP, ACGIH, or OSHA.
Reproductive toxicity	: No Data Available
STOT-single exposure	: No Data Available
STOT-repeated exposure	: No Data Available
Aspiration hazard	: No Data Available

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: No data available
Hazardous to the aquatic environment, short-term (acute)	: No data available
Hazardous to the aquatic environment, long-term (chronic)	: No data available

### 12.2. Persistence and degradability

No data available on mixture

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

No additional information available

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### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in accordance with local/regional/national/international regulations. Two options are recommended:  
1. Re-use  
2. Recycling or other recovery

Ecology - waste materials : Wastewater should be processed through a sewage treatment plant (STP) either on-site or off-site.

## SECTION 14: Transport information

No additional information available

### 14.1. UN number or ID number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Proper Shipping Name (ADN) : Not regulated  
Proper Shipping Name (RID) : Not regulated

### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

**AND**  
Transport hazard class(es) (ADN) : Not regulated

**RID**  
Transport hazard class(es) (RID) : Not regulated

### 14.4. Packing group

Packing group (ADR) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (ADN) : Not regulated  
Packing group (RID) : Not regulated

### 14.5. Environmental hazards

Dangerous for the environment : Not Applicable  
Marine pollutant : Not Applicable  
Other information : Not Applicable

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### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

Occupational Safety and Health Act (OSHA) : Federal OSHA Hazard Communication Standard 20 CFR 1910.1200

SARA 313 Components : Not Applicable

Toxic Substances Control Act (TSCA) : This product is in compliance with all rules and orders of TSCA.

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

No additional information available

##### REACH Annex XIV (Authorisation List)

No additional information available

##### REACH Candidate List (SVHC)

No additional information available

##### PIC Regulation (Prior Informed Consent)

No additional information available

##### POP Regulation (Persistent Organic Pollutants)

No additional information available

##### Ozone Regulation (1005/2009)

No additional information available

##### Explosives Precursors Regulation (2019/1148)

No additional information available

##### Drug Precursors Regulation (273/2004)

No additional information available

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

Not Applicable

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### SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
-	Initial release. Reliance format.	Initial release.	-

Full text of H- and EUH-statements:	
H315	Causes mild skin irritation.
H320	Causes eye irritation.
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. Including face protection (safety glasses w/side shields) and impervious gloves (nitrile). 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 attention/advice.
P501	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.