



## Safety Data Sheet

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### Section 1 – Identification

**Product Name:** FIRST AND FINAL **Manufacturer:** Reliance Orthodontic Products Inc.  
1540 West Thorndale Ave.  
Itasca, IL 60143 USA

**Family:** Prophylaxis Paste **Information Contacts:** 630-773-4009  
**Toll Free:** 800-323-4348

**Product Use:** Professional Dental Polishing Paste **Emergency Phone Numbers:** US & Canada - (877) 833-3725  
**EC Representative:** Emergo Europe, Prinsessegracht 20, 2514 BH, The Hague, The Netherlands  
**Australian Sponsor:** Emergo Australia, 201 Sussex St. Darling Park, Tower II, Level 20, Sydney, NSW 2000 Australia

**Product #:** Various **REF#** FF

### Section 2 – Hazards Identification

#### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- Will cause eye irritation.
- May cause skin irritation.
- Prolong exposure may cause respiratory system irritation.
- Ingestion of large amounts may cause nausea, vomiting, headaches, or dizziness.
- Please read entire SDS for additional information.



#### Potential Health Effects, Signs and Symptoms of Exposure:

**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.

**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.

NOTE: Refer to Section 11, Toxicological Information for Details

### Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA	Limits ACGIH	Carcinogen	%
				TWA/STEL	TWA/STEL		
Glycerol	56-81-5	200-289-5	Glycerin	(as respirable, mist) TWA = 5 mg/ m <sup>3</sup>	(as mist) TWA = 5 mg/ m <sup>3</sup>	Not listed	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



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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.

**Section 5 – Fire Fighting Measures**

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

**Method:**

Extinguishing Media:	Suitable extinguishing media for the surrounding fire should be used.
Fire Fighting Instructions:	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.
Unusual Hazards:	Evacuate all personnel.

**Section 6 – Accidental Release Measures**

Spill or Release Procedures	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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**Section 7 – Handling and Storage**

Handling	Limit all unnecessary personal contact. Avoid breathing dust / vapors. Wear appropriate PPE.
Storage	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.
Explosion Hazard	None.

**Section 8 – Exposure Controls / Personal Protection**

Engineering Controls	General exhaust is adequate under normal operating conditions.
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**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.
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

Table with 6 columns: Appearance, Odor & Odor Threshold, pH, Specific Gravity, Viscosity, % Volatile. Row 1: Colored paste, Odor of Stated Flavor, 6-8, (H2O = 1): N/A, N/A, N/A.

Table with 8 columns: Boiling Point/Freezing Point, Decomposition Temperature, Octanol/Water Partitioning Coefficient, Vapor Pressure, Vapor Density, Evaporation Rate, Ignition, Solubility In Water. All values are N/A or N/DA.

Table with 3 columns: Flash Point (°F/°C), Flammable Limit (vol%), Auto-ignition Temperature (vol%). All values are N/A.

Section 10 – Stability and Reactivity

Table with 2 columns: Stability, Incompatibility (Materials to Avoid). Includes Hazardous Decomposition Products and Hazardous Polymerization. Conditions to Avoid: Heat and incompatible materials.

Section 11 – Toxicological Information

Table with 5 columns: Acute Oral Toxicity, Acute Dermal Toxicity, Acute Inhalation Toxicity, Irritation – skin, Irritation – Eye. All values are N/DA.

Table with 3 columns: Sensitization, Mutagenicity, Sub-chronic Toxicity. All values are N/DA.

Section 12 – Ecological Information

Ecotoxicological Information

Table with 5 columns: Acute Toxicity to Fish, Acute Toxicity to Invertebrates, Acute Toxicity to Algae, Bioconcentration, Toxicity to Sewage Bacteria. All values are N/DA.

Chemical Fate Information

Table with 2 columns: Biodegradability, Chemical Oxygen Demand. Biodegradability: Biodegradable. This material is not expected to significantly bioaccumulate. Chemical Oxygen Demand: N/DA.

Section 13 – Disposal Considerations

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

Table with 1 column: DOT (49 CFR 172). Value: N/A.



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Proper Shipping Name:	Non-regulated material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
<b>Emergency Response Guidebook (ERG) #:</b>	<b>N/A</b>
<b>IATA (DGR):</b>	Non-regulated material
Proper Shipping Name:	N/A
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	N/A
<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-regulated material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	N/A
<b>Emergency Schedule (EmS)#:</b>	<b>N/A</b>
<b>Other Information:</b>	<b>N/A</b>

**Section 15 – Regulatory Information**

**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains the following HAP’s or ODS: • None
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: • None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It’s hazards are: • None
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA ( 40 CFR 261). • None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product is not considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR370).
SARA Title III: Section 311-312:	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification (CERCLA List). • None



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SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> <li>• None</li> </ul>
TSCA Section 8(b): Inventory:	This product does contain chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.


**State Regulations**

Contact Reliance Orthodontic Products. Inc. for more information

**International Regulations**

CDSL: Canadian Inventory (on Canadian Transitional List)	Glycerol – CAS # 56-81-5
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**Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)**

European Community:  	<ul style="list-style-type: none"> <li>• DANGER SYMBOLS: <b>GHS07</b> – <i>Warning / Irritant</i></li> <li>• HAZARD STATEMENT: <b>H316</b>, Causes mild skin irritation. <b>H319</b>, Causes serious eye irritation <b>H335</b>, May cause respiratory irritation. <b>H303</b>, May be harmful if swallowed.</li> <li>• PRECAUTIONARY STATEMENT: <b>P102</b>, Keep out of reach of children; <b>P261</b>, Avoid breathing dust/fume/gas mist/vapor sprays; <b>P280</b>, Wear protective loves/clothing/eye protection/face protection; <b>P309+314</b>, If exposed or you feel unwell, get medical advice/attention.</li> </ul>
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**Section 16 – Other Information**

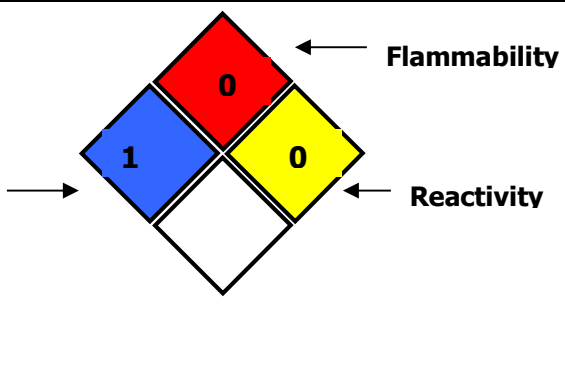

**EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):**

<p>Items in parenthesis relate to 1999/45/EC</p> <p><b>Danger Symbols:</b>  GHS06 – Toxic  GHS07 – Warning / Irritants</p> <p><b>Hazard Statement:</b> <b>H301</b>, Toxic if swallowed. <b>H315</b>, Causes skin irritation. <b>H316</b>, Causes mild skin irritation. <b>H319</b>, Causes serious eye irritation. <b>H335</b>, May cause respiratory irritation. <b>H336</b>, May cause drowsiness or dizziness. <b>EUH032</b>, Contact with acid liberates very toxic gas. <b>H303</b>, May be harmful if swallowed.</p> <p><b>Precautionary Statement:</b>  <b>P102</b>, Keep out of reach of children. <b>P261</b>, Avoid breathing dust/fume/gas mist/vapor sprays. <b>P280</b>, Wear protective gloves/clothing/eye protection/face protection. <b>P309+314</b>, If exposed or you feel unwell, get medical advice/attention. <b>P404</b>, Store in a closed container. <b>P403+235 9)</b>, Store in a well ventilated place. Keep cool.</p>
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**Safety Data Sheet**

**Hazard Rating System (Pictograms)**

<b>NFPA:</b>		<b>HMIS:</b>	
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