

**15. Regulatory Information**

Classification:

Xi Irritant, F Flammable, R11 Highly flammable, R36 Irritating to eyes., R38 Irritating to skin., R43 May cause sensitization by skin contact.

**16. Other Information**

NOTE: This information is believed to be correct as of the date of this MSDS. The manufacturer makes no representation as to the completeness or accuracy of this information and supplies it on the condition that the person receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

## 9. Physical / Chemical Properties

Appearance	Liquid	Vapor Pressure @ 20C/68F	N/A
Color	Pale Yellow	Miscibility	N/A
Odor	Slight odor of Ethanol	Vapor Density	N/A
Solubility (H2O, fat)	N/A	pH	2.5-3.5
Boiling Point / Range	N/A	Evaporation Rate	N/A
Melting Point / Range	N/A	Viscosity	N/A
Flash Point	N/A	Partition Coefficient	N/A
Conductivity	N/A	Autoflammability	N/A
Explosive Properties	N/A	Flammability	Flammable
Oxidizing Properties	N/A	Relative Density	0.9-1.1

## 10. Stability and Reactivity

Avoid high temperatures.

## 11. Toxicological Information

Eye Contact:	Irritates the eyes.
Skin Contact:	May irritate the skin.
Sensitization:	May cause allergic reaction on contact with the skin.
Other:	Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.

## 12. Ecological Information

N/A

## 13. Disposal Considerations

Refer to any Community provisions relating to waste. In their absence, refer to National or Regional provisions relating to waste.

## 14. Transport Information

DOT Regulations:

Hazard Class 3

Identification Number UN1170

Packing Group II

Proper shipping Name: Ethyl Alcohol Solution

Land Transport ADR/RID (cross border):

Hazard Class 3

Identification Number UN1170

Packing Group II

Proper Shipping Name: Ethyl Alcohol Solution

Maritime Transport IMDG

Hazard Class 3

Identification Number UN1170

Packing Group II

Proper Shipping Name: Ethyl Alcohol Solution

Air Transport ICAO-TI and IATA-DGR

Hazard Class 3

Identification Number UN1170

Packing Group II

Proper Shipping Name: Ethyl Alcohol Solution

# Material Safety Data Sheet

Issued: 7/23/2013

Revision Number: 1

## 1. Identification of Substance/Preparation and Company/Undertaking

Product Name: Assure Plus All Surface Bonding Resin  
Manufacturer: Reliance Orthodontic Products, Inc., 1540 West Thorndale Ave, Itasca, IL 60143  
Emergency Telephone: 630-773-4009 Fax: 630-250-7704

Authorized Representative: Emergo Europe, Molenstraat 15, 2513 BH The Hague, The Netherlands  
Telephone: +31-70-345-8570 · Fax: +31-70-346-7299

CE Administrator: Amtac Certification Services Ltd., Davey Avenue, Knowlhill, Milton Keynes,  
MK5 8NL, United Kingdom

## 2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classificaton	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
Ethanol	>20	64-17-5	F, R11	1000	1000	7060
Bis-GMA	>20	1565-94-2	Xi; R36/R38/R43	N/D	N/D	N/D

N/D = not determined,

## 3. Hazards Identification

Flammable Irritating to the eyes and skin. May cause sensitization by skin contact.

## 4. First-aid Measures

Inhalation: Provide fresh air and rest.  
Skin Contact: Wash with soap and water.  
Eye Contact: Flush eye with running water for at least 15 minutes while keeping eye lids open; seek medical attention.  
Ingestion: Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested.

## 5. Fire-fighting Measures

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.  
Fire and explosion risks: Upon combustion, irritating gases may form.

## 6. Accidental Release Measures

Personal Precautions: Prevent skin/eye contact  
Environmental Precautions: Avoid ground water contamination.  
Methods for Cleaning Up: Wipe with damp paper towels

## 7. Handling and Storage

Avoid high light intensity >10000 lux. This product is used exclusively for dental purposes by trained personnel. Store in a cool, dry place (2-25°C / 36-77°F).

## 8. Exposure Controls/Personal Protection

Eye Protection: Use protective eyewear.  
Hand Protection: Use protective gloves.  
Respiratory Protection: Avoid prolonged breathing of vapors of uncured material.  
Skin Protection: Use any necessary hygiene measures.