

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state: Solid

Appearance: Paste

Color: No data available

Odor: Odorless

Odor threshold: No data available

pH: No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Relative evaporation rate (butyl acetate=1): No data available

Flammability (solid, gas): No data available

Vapor pressure: No data available

Relative vapor density at 20°C/68°F: No data available

Relative density: No data available

Specific gravity/density: > 1

Solubility: No data available

Log Pow: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosion limits: No data available

Explosive properties: No data available

Oxidizing properties: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

On combustion, forms: carbon oxides (CO and CO²).

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met)

Triethylene glycol dimethacrylate (109-16-0)	
LD50 oral rat	10837 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity – single exposure: Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity – repeated exposure: Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)

Viscosity, kinematic: No data available

Symptoms/effects after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact: Causes serious eye irritation.

Symptoms/effects after ingestion: May cause irritation to the digestive tract.

Other information: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - general: This material has not been tested for environmental effects.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Disposal methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport Information

Department of Transportation (DOT)

In accordance with DOT: Not regulated

Transportation of Dangerous Goods: Not regulated

Transport by sea: Not regulated

Air transport: Not regulated

SECTION 15: Regulatory Information

15.1. US Federal regulations

2-Propenoic acid, 2-methyl-, (1-methylethylene)bis [4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester (1565-94-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Triethylene glycol dimethacrylate (109-16-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

2-Propenoic acid, 2-methyl-, (1-methylethylene)bis [4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester (1565-94-2)

Listed on the Canadian DSL (Domestic Substances List)

Triethylene glycol dimethacrylate (109-16-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

2-Propenoic acid, 2-methyl-, (1-methylethylene)bis [4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester (1565-94-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Triethylene glycol dimethacrylate (109-16-0)

Listed on the EEC inventory EINECS (European inventory of Existing Commercial Chemical Substances)

National regulations

2-Propenoic acid, 2-methyl-, (1-methylethylene)bis [4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester (1565-94-2)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Triethylene glycol dimethacrylate (109-16-0)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on the IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on the Japanese ISHL (Industrial Safety and Health Law)	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Listed on INSQ (Mexican National Inventory of Chemical Substances)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	

15.3. US State regulations

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: Other Information

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

Revision date: 29 April 2019

Full text of H-phrases:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data does not signify any warranty with regards to products properties. However, users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.

Prepared by: Peter G. Jordan



REVO



Distributed by
Brasseler U.S.A. Dental, LLC
One Brasseler Blvd, Savannah, GA 31419, U.S.A.

B-5502-C



Resin Blend LV

Composite Blending Resin

800.841.4522
BrasselerUSA.com

ResinBlend LV

Composite Blending Resin

INSTRUCTIONS FOR USE

Date of issue: April 29, 2019

Date of revision: June 25, 2021

GENERAL INFORMATION

ResinBlend LV is a wetting resin that has been designed to make the delivery of composite materials easier and more consistent by eliminating the stickiness that makes manipulation difficult. Not only does ResinBlend LV eliminate handling issues, it doesn't build film thickness or add a visible layer between composite layers. ResinBlend LV is compatible with all methacrylate materials and can be used in all direct and indirect restorations.

- Eliminates composite pull back, stickiness
- Adds no thickness or composite seams/layers to the final restoration
- Compatible with all methacrylate materials
- For use in any restoration

PRINCIPAL USE OF RESINBLEND LV

Lubricating restorative instruments and materials

APPLICATION INSTRUCTIONS

1. Dispense one drop of ResinBlend LV into a well.
2. Apply ResinBlend LV to the desired surfaces to be lubricated or "de-tackified". An instrument may be dipped into ResinBlend LV or ResinBlend LV may be applied to an instrument or uncured composite material.
3. Continue with the placement of the composite material. Activate all composite materials according to the manufacturer's instructions. ResinBlend LV will co-cure with the composite material; therefore, separate activation of ResinBlend LV is not required.

NOTE: Only a thin layer of ResinBlend LV is necessary. Avoid excess build-up to ensure acceptable results.

SAFETY DATA SHEET

Date of issue: April 29, 2019

Date of revision: June 25, 2021

SECTION 1: Identification of Substance/Preparation and Company/Undertaking

1.1. Identification

Product Name: ResinBlend LV Composite Blending Resin

1.2. Recommended use and restrictions on use

Use of the substance/mixture: Makes the delivery of composite materials easier and more consistent by eliminating the tackiness that makes manipulation difficult.

1.3. Distributor

Brasseler U.S.A. Dental, LLC

One Brasseler Blvd.

Savannah, GA 31419, U.S.A.

800-841-4522

1.4. Emergency Telephone Number

800-841-4522

SECTION 2: Hazard(s) Identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation Category 2: Causes skin irritation

Serious eye damage/eye irritation Category 2: Causes serious eye irritation

Skin sensitization, Category 1: May cause an allergic skin reaction

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US):

Signal word (GHS US): Warning 

Hazard statements (GHS US):

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye irritation

Precautionary statements (GHS US):

Avoid breathing vapors, mist.

Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves, eye protection.

If on skin: Wash with plenty of water

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Wash contaminated clothing before reuse.

Dispose of contents/container to a hazardous or special waste collection point

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US):

Not applicable

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	%	GHS-US classification
2-Propenoic acid, 2-methyl-, (1-methylethylidene)bis [4, 1-phenyleneoxy(2-hydroxy-3, 1-propanediyl] ester	(CAS-No.) 1565-94-2	<=99	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Triethylene glycol dimethacrylate	(CAS-No.) 109-16-0	<=99	Skin Sens. 1B, H317

Full text of hazard classes and H-statements: see section 16

3.1. Substances

Not applicable

3.2. Mixtures

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Give artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Remove/take off immediately all contaminated clothing. Rinse immediately with plenty of water for 15 minutes. Get medical advice if skin irritation persists.

First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water for 15 minutes. If eye irritation persists: get medical advice and attention.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact: Causes serious eye irritation.

Symptoms/effects after ingestion: May cause irritation to the digestive tract.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-Fighting Measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard: On combustion, forms: carbon oxides (CO and CO²).

5.3. Special protective equipment and precautions for fire fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Wear recommended personal protective equipment.

For further information, refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

For further information, refer to section 8: "Exposure controls/personal protection".

For disposal of residues, refer to section 13: "Disposal considerations".

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the workstation. Avoid contact with eyes. Wear personal protective equipment. Avoid breathing vapors, mist.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

Incompatible materials: None known.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

2-Propenoic acid, 2-methyl-, (1-methylethylidene)bis[4,1-phenyleneoxy (2-hydroxy-3,1-propanediyl)] ester (1565-94-2)
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Not applicable

Triethylene glycol dimethacrylate (109-16-0)
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Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the workstation. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection: Impermeable protective gloves

Eye protection: Safety glasses with side shields.

Skin and body protection: Long sleeved protective clothing

Respiratory protection: In case of inadequate ventilation, wear respiratory protection.

Other information: Do not eat, drink or smoke during use.

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