

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: EasyGum Bond

USE OR APPLICATION: Light Cure Composite Adhesive

Company Information:

Company Name:

Street: City/ Zip: State/ Province:

Country:

Telephone:

Emergency Telephone:

USA

Harvest Dental Products, LLC

905 Columbia St. Brea, 92821 California

USA

1+714-674-7400

Infotrac: 1+800-535-5053

2. HAZARDS IDENTIFICATION

Hazzard Classification

Flammable liquids Category 2

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Skin sensitization, Category 1

Reproductive toxicity Category 1B

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May damage fertility or the unborn child

GHS US Labeling

Hazard Pictograms (GHS US):



Signal Word (GHS US):

Hazard Statements:

Danger

Highly flammable liquid and vapor

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye irritation

May damage fertility or the unborn child

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting equipment

Use only non-sparking tools.

Avoid breathing vapors, spray.

Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves, eye protection.

Precautionary Statements (GHS US):

Australian Distributor:

Alphabond Dental Pty Ltd

Unit 40 / 28 Barcoo Street, Roseville NSW 2069

P: +61 2 9417 6660 | F: +61 2 9417 3001

Australian Emergency Contact Numbers:

Alphabond Dental (Business hours)

Alphabond Dental (After hours)

Emergency Call Service (Australia)



Phone: **02 9417 6660**

Phone: **0412 121 788**

Phone: **000**

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

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

If exposed or concerned: Get medical advice/attention.

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.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other Unclassified Hazards

No additional information available

Unknown Acute Toxicity (GHS US)

Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Not applicable

Mixtures

Name	Product Identifier	Percentage	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	15 - 40	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
Ethyl alcohol	(CAS-No.) 64-17-5	15 - 40	Flam. Liq. 2, H225 Eye Irrit. 2A, H319
Bis[2-[(2-methyl-1-oxoallyl)oxy]ethyl] dihydrogen benzene-1,2,4,5-tetracarboxylate	(CAS-No.) 51156-91-3	10 - 30	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Comb. Dust
2-hydroxyethyl methacrylate	(CAS-No.) 868-77-9	10 - 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
10- Methacryloyloxydecyl dihydrogen phosphate (10-MDP)	(CAS-No.) 85590-00-7	7 - 13	Eye Irrit. 2, H319 Skin Sens. 1, H317
Acetone	(CAS-No.) 67-64-1	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Benzoic acid, 4-(dimethylamino)-, ethyl ester	(CAS-No.) 10287-53-3	0.5 - 1.5	Repr. 1B, H360

4. FIRST AID MEASURES

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:	Immediately, remove all contaminated clothing. Rinse immediately with plenty of water for 15 minutes. Seek 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: Seek medical advice and attention.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention

Most important symptoms and effects, both acute and delayed

Symptoms/effects:	May damage fertility or the unborn child.
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.

Indication of any immediate medical attention and special treatment, if needed

Treat symptomatically.

5. FIRE FIGHTING MEASURE

Suitable & Unsuitable Extinguishing media

Suitable Extinguishing media	Water spray, Foam, dry powder, carbon dioxide. Sand.
Unsuitable Extinguishing media	Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard:	On combustion, forms: carbon oxides (CO and CO ₂).
Explosion hazard:	May form flammable vapor-air mixture. Vapors may travel long distances along ground before igniting/flashing back to vapor source.
Reactivity in case of fire:	Stable under normal conditions.

Advice for firefighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering the environment.
Protective equipment for firefighters:	Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

General measures: Keep away from open flames, hot surfaces, and sources of ignition.

For non-emergency personnel

Protective equipment: Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Evacuate unnecessary personnel.

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.

Environmental precautions

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

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.

Other information: Dispose of materials or solid residues at an authorized site.

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".

7. HANDLING AND STORAGE

Precautions for safe handling

Additional hazards when processed: Handle empty containers with care as residual vapors are flammable.

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.

Conditions for safe storage, including any incompatibilities

Technical measures: Use explosion-proof electrical/ventilating/lighting equipment. Keep away from open flames, hot surfaces, and sources of ignition.

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

Incompatible materials: None known.

Specific end use(s)

See Section 1.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
Control Parameters:

Ingredients		Value
Bis[2-[(2-methyl-1-oxoallyl)oxy]ethyl] dihydrogen benzene-1,2,4,5-tetracarboxylate	Not applicable	
Acetone	Local Name	Acetone
	ACGIH TWA	250 ppm
	ACGIH STEL	500 ppm
	ACGIH Remark	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
	BEI	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift - Notations: Ns
	Regulatory Reference	ACGIH 2019
	OSHA PEL (TWA)	2400 mg/m ³
	OSHA PEL (TWA)	1000 ppm
	Regulatory reference	OSHA Annotated Table Z-1
	NIOSH REL (TWA)	590 mg/m ³
	NIOSH REL (TWA)	250 ppm
2-hydroxyethyl methacrylate	Not applicable	
2-Propenoic acid, 2-methyl-, (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] ester	Not applicable	
10- Methacryloyloxydecyl dihydrogen phosphate (10-MDP)	Not applicable	
Ethyl alcohol	Local Name	Ethanol
	ACGIH STEL	1000 ppm
	ACGIH Remark	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
	Regulatory Reference	ACGIH 2019
	OSHA PEL (TWA)	1900 mg/m ³
	OSHA PEL (TWA)	1000 ppm
	Regulatory reference	OSHA Annotated Table Z-1
	US IDLH	3300 ppm (10% LEL)
	NIOSH REL (TWA)	1900 mg/m ³

	NIOSH REL (TWA)	1000 ppm
Benzoic acid, 4-(dimethylamino)-, ethyl ester	Not applicable	

Appropriate Engineering Controls

Appropriate Engineering: Ensure good ventilation of the workstation. Emergency eye-wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental Exposure Controls: Avoid release to the environment.

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

PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid
Color:	Pale yellow.
Odor:	Ethanol
Odor threshold:	No data available
pH:	No data available
Melting point:	< 0 °C
Freezing point:	No data available
Boiling point:	> 50 °C
Flash point:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Flammability (solid, gas):	Not applicable
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	No data available
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
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

Other Information

No additional information available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reactions known under normal conditions of use.

Chemical stability

Stable at ambient temperature and under normal conditions of use.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

None known.

Incompatible materials

None known.

Hazardous decomposition products

No hazardous decomposition products known at room temperature. On combustion, forms: carbon oxides (CO and CO₂)

11. TOXICOLOGICAL INFORMATION

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)

Acetone (67-64-1)

LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	> 15700 mg/kg
LC50 inhalation rat (mg/l)	50100 mg/m ³ (Exposure time: 8 h)

Ethyl alcohol (64-17-5)

LD50 oral rat	7060 mg/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h

General:

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

Carcinogenicity:	criteria are not met)
criteria are not met) Reproductive toxicity:	Not classified (Based on available data, the classification
Aspiration hazard:	May damage fertility or the unborn child.
	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:	May damage fertility or the unborn child.
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.

12. ECOLOGICAL INFORMATION

Toxicity

Ecology - general:	This material has not been tested for environmental effects.
Acute aquatic toxicity:	Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity:	Not classified (Based on available data, the classification criteria are not met)

Acetone (67-64-1)

LC50 fish 1	4.74 - 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 fish 2	6210 - 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	10294 - 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Daphnia 2	12600 - 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (algae)	> 2800 mg/l 14days

Ethyl alcohol (64-17-5)

LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 other aquatic organisms 1	5012 mg/l 48 hours- daphnia
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
ErC50 (algae)	275 mg/l ErC50 (other aquatic plants) 4432 mg/l
NOEC (acute)	9.6 mg/l Daphnia magna

Persistence and degradability

No additional information available

Bioaccumulative potential

Acetone (67-64-1)

BCF fish 1	0.69
Log Pow	-0.24

Ethyl alcohol (64-17-5)

Log Pow	-0.32
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Mobility in soil

No additional information available

Other adverse effects Additional information:

Avoid release to the environment

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods




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

Ecology - waste materials: Avoid release to the environment.

14. TRANSPORT INFORMATION

In accordance with:

ADR / RID / IMDG / IATA / AND

	ADR	IMDG	IATA	ADN	RID
UN Number	UN 1993	UN 1993	UN 1993	UN 1993	UN 1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transportation Document Description	UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 3, II, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 3, II	UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 3, II	UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 3, II	UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethyl alcohol), 3, II
Transportation Hazard Class(es)		Not Applicable	Not Applicable		
Packing Group	II	II	II	II	II
Environmental Hazards	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

***Due to excepted quantities, not considered a Hazardous Material**

Overland Transportation

Classification code (ADR):	F1
Special provisions (ADR):	274, 601, 640D
Limited quantities (ADR):	1L
Excepted quantities (ADR):	E2
Packing instructions (ADR):	P001, IBC02, R001
Mixed packing provisions (ADR):	MP19
Portable tank and bulk container instructions (ADR):	T7
Portable tank and bulk container special provisions (ADR):	TP1, TP8, TP28
Tank code (ADR):	LGBF
Vehicle for tank carriage:	FL
Transport category (ADR):	2
Special provisions for carriage - Operation (ADR):	S2, S20
Hazard identification number (Kemler No.):	33

Orange Plates:



Tunnel restriction code (ADR):

D/E

EAC code:

•3YE

Transportation By Sea

Excepted quantities (IMDG):

E2

Air Transportation

Excepted quantities (IATA):

E2

Inland Waterway Transportation

Classification code (ADN):

F1

Special provisions (ADN):

274, 601, 640D

Limited quantities (ADN):

1 L

Excepted quantities (ADN):

E2

Carriage permitted (ADN):

T

Equipment required (ADN):

PP, EX, A

Ventilation (ADN):

VE01

Number of blue cones/lights (ADN):

1

Rail Transportation

Classification code (RID):

F1

Special provisions (RID):

274, 601, 640D

Limited quantities (RID):

1L

Excepted quantities (RID):

E2

Packing instructions (RID):

P001, IBC02, R001

Mixed packing provisions (RID):

MP19

Portable tank and bulk container instructions (RID):

T7

Portable tank and bulk container special provisions (RID):

TP1, TP8, TP28

Tank codes for RID tanks (RID):

LGBF

Transport category (RID):

2

Colis express (express parcels) (RID):

CE7

15. REGULATORY INFORMATION

US Federal Regulations

Acetone (67-64-1)

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

CERCLA RQ: 5000lbs

2-hydroxyethyl methacrylate (868-77-9)

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

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

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

Ethyl alcohol (64-17-5)

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

Benzoic acid, 4-(dimethylamino)-, ethyl ester (10287-53-3)

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

16. OTHER INFORMATION

HMIS RATING:

RATINGS:

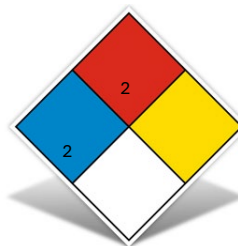
0 = Minimal

1 = Slight

2 = Hazardous

3 = Serious

4 = Severe



PREPARED BY: Jörg Erxleben

REVISION SUMMARY: First Edition.

MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Harvest Dental Products, LLC does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.