

MATERIAL SAFETY DATA SHEET

1. Name of product and company:

Product Name: **LIGHT CURE ORTHODONTIC ADHESIVE**

Manufacturer: Confi-Dental Products Co.
Address: 416 S. Taylor Ave.
Louisville, CO 80027

FOR INFORMATION CALL: (303) 665-7535

CHEMTREC: (800) 424-9300

DATE PREPARED: July 18, 2008

2. Composition/Information on Ingredients:

A. Substances which give the product its health-risk properties, if any.

Aromatic and Aliphatic Dimethacrylate Monomers
Methacrylate Monomers
Camphorquinone
Tertiary Amine

3. Hazardous properties:

Physical/Chemical Hazards:	Incompatibility with high temperatures and oxidizing agents
Human Health Hazards:	Repeated contact may cause reddening and irritation of the skin
Environmental Hazards:	Not determined

4. First aid measures:

Effects and Symptoms:

Inhalation:	Mild irritant
Skin contact:	Mild to severe irritant
Eye contact:	Mild irritant
Ingestion:	Mild irritant

First Aid Measures:

Inhalation:	Remove to fresh air
Skin contact:	Wash with soap and water
Eye contact:	Flush with copious amounts of water
Ingestion:	Consult a physician

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5. Fire fighting measures:	
<u>Extinguishing Media</u>	
Extinguishing Media:	Chemical foam, CO ₂ , Dry chemical
Special fire-fighting procedures:	Use water spray to cool containers
Unusual fire/explosion hazards:	Heat can cause polymerization with rapid release of energy which may rupture container
Hazardous thermal (de) composition products:	Oxides of carbon
Protection of fire fighters:	Wear pressure demand, self-contained breathing apparatus, MSHA/NIOSH – approved or equivalent and full protective gear
6. Accidental release measures:	
Personal precautions:	Gloves and eye protection suggested
Environmental Precautions and Clean-up Methods:	Absorb the spill and dispose of in an approved container
7. Handling and storage:	
Handling:	
Technical Precautions:	To be handled by qualified dental professionals
Precautions:	Follow the instructions for use
Storage:	Store away from food and beverages.
8. Exposure control/personal protection:	
Personal Protective Equipment	
Respiratory system:	None required under use
Skin and body:	Lab coat
Hands:	Gloves
Eyes:	Safety glasses or splash goggles
9. Physical and chemical properties:	
Physical State and Appearance:	Creamy, off-white paste
Odor:	Acrylic odor
Boiling Point:	ND
Melting Point:	ND
Specific Gravity:	> 1
Solubility:	Negligible
Flash Point:	ND
Flammability:	ND
Autoignition Temperature:	ND
Explosion Properties:	ND

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10. Stability and reactivity:

Stability:	This material is stable
Conditions to Avoid/Materials to Avoid:	Avoid high temperatures, oxidizing agents and visible light
Hazardous Reactions:	None reported
Hazardous Decomposition Products:	Oxides of carbon

11. Toxicological information:

Skin Irritation:	Irritation to skin can occur
Eye Irritation:	Irritation of the eyes can occur

12. Ecological information:

May cause adverse environmental impact if material reaches waterways.

13. Waste disposal:

Methods of disposal; Waste of Residues; Contaminated Packaging:	Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
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14. Transport information:

Additional Information: None Required

15. Regulatory information:

R-Phrase:	R21: Harmful in contact with skin
S-Phrase:	S20/21: Do not eat, drink, or smoke

16. Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever 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 that exist.

MATERIAL SAFETY DATA SHEET

1. Name of product and company:

Product name: **Light Cure Pit & Fissure Sealant**

Manufacturer: **Confi-Dental Products Co.**

Address: **416 S. Taylor Ave.
Louisville, CO 80027**

Emergency Telephone Number: **703-527-3887**

Date of Issue: **July 16, 2008**

Date of Revision: **January 13, 2011**

2. Composition/Information on Ingredients:

A. Substances which give the product its health-risk properties, if any.

	<u>CAS #:</u>
Propoxylated Glycerol Triacrylate	52408-84-1
Titanium Dioxide	13463-67-7
N,N-Dimethylaminoethyl methacrylate	2867-47-2
Benzil	134-81-6

3. Hazardous properties:

Physical/Chemical Hazards: **Incompatible with strong acids, peroxides, and other oxidizing agents.**

Human health Hazards: **Possible inhalation. Irritation to the skin.**

Environmental Hazards: **Not determined**

4. First aid measures:

Effects and Symptoms:

Inhalation: Possible irritation to the respiratory system with improper use

Skin contact: Repeated contact with skin may cause reddening and irritation.

Eye contact: Irritation to the eyes

Ingestion: Possible irritation with ingestion

First Aid Measures:

Inhalation: Remove person to fresh air

Skin contact: Wash with soap and water

Eye contact: Flush with copious amounts of water

Ingestion: Seek medical attention

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5. Fire fighting measures:

Extinguishing Media

Extinguishing Media:	Dry Chemical Foam, CO ₂ , Dry Chemical
Special fire-fighting procedures:	Fight fire as fuel fire.
Unusual fire/explosion hazards:	Material may burn if exposed to flame.
Hazardous thermal (de)composition products:	Oxidizes of carbon when burned.
Protection of fire fighters:	Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand-breathing apparatus.

6. Accidental release measures:

Personal precautions:	Gloves and eye protection suggested
Environmental Precautions and Clean-up Methods:	In event of a spill, immediately remove all sources of ignition. Using appropriate personal protective equipment and non-sparking tools, contain spilled material. Cover the liquid with inert absorbent. Scoop contaminated material into drums for proper disposal in accordance with Federal, State, and Local regulations.

7. Handling and storage:

Handling:	
Technical Precautions:	To be handled by qualified dental professionals.
Precautions:	Follow the instructions for use.
Storage:	Store in cool dry place away from heat, sparks, flame and direct sunlight. Close container after each use.

8. Exposure control/personal protection:

Personal Protective Equipment

Respiratory system:	No respiratory protection needed under normal use conditions.
Skin and body:	Lab Coat
Hands:	Gloves
Eyes:	Safety glasses or splash goggles.

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9. Physical and chemical properties:

Physical state and Appearance:	Resin
Odor:	Characteristic odor
Boiling Point:	ND
Melting Point:	No Data
Specific Gravity:	1.1
Solubility:	Insoluble
Flash Point:	ND
Flammability:	No Data
Autoignition temperature:	No Data
Explosion Properties:	Material may burn if exposed to flame

10. Stability and reactivity:

Stability:	This material is stable
Conditions to avoid / Materials to Avoid:	Storage away from sunlight, open flames, contamination and prolonged storage above 35 °C (100 °F).
Hazardous Reactions:	Polymerization may occur in large quantities
Hazardous Decomposition Products:	Oxides of carbon when burned.

11. Toxicological information:

Acute oral toxicity:	No Data
Skin Irritation:	Irritation to skin.
Eye Irritation:	Irritation to the eyes.

12. Ecological information:

Do not discharge into drains or the environment.

13. Waste disposal:

Methods of disposal; Waste of residues; Contaminated Packaging:	Clean up residue. Place in closed container. Dispose of in accordance with the Federal, State and Local regulations.
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14. Transport information:

Additional information: This material is not dangerous cargo.

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15. Regulatory information:

R-Phrases: 36/38

Irritating to eyes and skin.

S-Phrase: 26 -- 28

Incase of contact with eyes rinse immediately with plenty of water and seek medical advice.

After contact with skin wash immediately with plenty of water and soap.

16. Other information:

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1. Name of product and company:

Product name: **Etch Gel**
Manufacturer: **Confi-Dental Products Co.**
Address: **416 S. Taylor Ave.
Louisville, CO 80027**

Emergency Telephone Number: **703-527-3887**

Date of Issue: **April 11, 2008**

2. Composition/Information on Ingredients:

A. Substances which give the product its health-risk properties, if any.

Phosphoric Acid

3. Hazardous properties:

Physical/Chemical Hazards:	Incompatibility with strong bases and active metals.
Human health Hazards:	Repeated contact with skin may lead to burns and rashes.
Acute hazard:	Slightly toxic when inhaled or ingested.
Chronic hazard:	Slightly toxic when repeated inhalation or ingestion.
Environmental Hazards:	Not determined

4. First aid measures:

Effects and Symptoms:

Inhalation:	Severe irritant
Skin contact:	Mild to severe irritant
Eye contact:	Mild to severe irritant
Ingestion:	Slightly toxic

First Aid Measures:

Inhalation:	Remove person to fresh air
Skin contact:	Wash with soap and water for at least 15 minutes.
Eye contact:	Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Ingestion:	Do not induce vomiting. Wash out mouth with water, keep at rest.

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5. Fire fighting measures:

Extinguishing Media

Extinguishing Media:	Material is not flammable.
Special fire-fighting procedures:	None required
Unusual fire/explosion hazards:	None reported
Hazardous thermal (de)composition products:	Emits toxic fumes of oxides of phosphorus.
Protection of fire-fighters:	Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus.

6. Accidental release measures:

Personal precautions:	Gloves and eye protection suggested.
Environmental Precautions and Clean-up Methods:	Cover with sodium carbonate and calcium hydroxide. Collect material. Place in an approved metal container.

7. Handling and storage:

Handling:	
Technical Precautions:	To be handled by qualified dental professionals.
Precautions:	Follow the instructions for use.
Storage:	Store at or below room temperature. Keep container dry. Keep container in well-ventilated area.

8. Exposure control/personal protection:

Personal Protective Equipment

Respiratory system:	Respiratory protection is recommended when using large amounts.
Skin and body:	Lab Coat
Hands:	Gloves
Eyes:	Safety glasses or splash goggles

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9. Physical and chemical properties:

Physical state and Appearance:	Viscous Gel
Odor:	No obvious odor
Boiling Point:	No Data
Melting Point:	No Data
Specific Gravity:	1.3
Solubility:	Soluble
Flash Point:	Non-Flammable
Flammability:	No Data
Autoignition temperature:	No Data
Explosion Properties:	Material may burn if exposed to flame

10. Stability and reactivity:

Stability:	This material is stable
Conditions to avoid / Materials to Avoid:	Avoid dehydration by keeping container closed. Reactive metals and bases are materials to be avoided.
Hazardous Reactions:	None reported
Hazardous Decomposition Products:	At flame temperatures, material will emit toxic phosphorus oxide fumes.

11. Toxicological information:

Acute oral toxicity:	LD ₅₀ = 1530 mg/kg (for 85% phosphoric acid)
Skin Irritation:	Irritation to skin can occur.
Eye Irritation:	Irritation to the eyes can occur.

12. Ecological information:

May cause adverse environmental impact if material reaches waterways.

13. Waste disposal:

Methods of disposal; Waste of residues; Contaminated Packaging:	Dispose of waste at an appropriate waste Disposal facility according to current Applicable laws and regulations.
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14. Transport information:

Additional information: UN 1805, CORROSIVE MATERIAL, 8, PGIII

15. Regulatory information:

Symbols of Danger: Corrosive

R-Phrase:

R 34: Causes burns

R 22: Harmful if swallowed

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S-Phrase:

- S 36, S 39: Wear suitable protective clothing and eye/face protection.
- S 24, S 25: Avoid contact with skin or eyes.
 - S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S 28: After contact with skin, wash immediately with plenty of soap and water.
 - S 46: If swallowed, seek medical advice immediately and show the container or label.

16. Other information:

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