

SAFETY DATA SHEETS

This SDS packet was issued with item:

072806271

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

072797579 072797595 072806206 072806214 072806222 072806263 072806289



MATERIAL SAFETY DATA SHEET

Product Identity:

ZAPIT BASE

SECTION I.

Identification

REVISION:

OCTOBER 2012

Manufacturer

Dental Ventures of America Inc.
1787 Pomona Rd. Suite C
Corona, CA. 92880

Emergency Telephone Number:

Infotrack (800) 535-5053

Product Information Number:

(951) 270 - 0606

SECTION II.

Composition/Information on Ingredients

Chemical Name/Synonyms:	Cyanoacrylate Adhesive
Common Name:	Cyanoacrylate Instant Adhesive
DOT Hazard Classification:	Cement, Liquid NOS NA 1133
CAS Number:	N/A - Mixture
Formula/Molecular Weight:	N/A - Mixture

SECTION III.

Hazardous Ingredients/Identify Information

Listed below are the hazardous component (s) as defined in 49 CFR 172 and 29 CFR 1910, which are present in this product and all components which appear on the hazardous substance list of any state.

Common Names:	CAS Number	OSHA/PEL	ACGIH/TLV	OTHER LIMITS	% OPTION
Ethyl-2 Cyanoacrylate:	07085-85-0	NE	NE	0.2 ppm TWA	60-100
Poly (Methyl Methacrylate)	9011-14-7	NE	NE		10-30
Hydroquinone*	123-31-9	2mg/m ³	2mg/m ³		0-1

*This ingredient is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 (SARA) and 40 CFR 372.

NFPD CODES: Health - 2 Flammability - 2 Reactivity - 1 Other - None

SECTION IV.

First Aid Measures

Skin:	Immerse bonded surfaces in warm soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm, soapy water. Do not force separation. Prolonged or repeated contact at elevated levels may cause dermatitis in sensitive individuals.
Eyes:	Tearing from eye irritation. Remove to fresh air. Flush thoroughly with lukewarm or tepid water for at least 15 minutes. Adhesive will disassociate from eye/eyelids over time, usually within several hours. Temporary weeping of eyes/double vision may be experienced until clearance is achieved.
Inhalation:	Irritation of mucous membranes, coughing. Move to fresh air. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals. If symptoms persist, call a physician.
Ingestion:	Lips may become stuck together. Apply copious amounts of warm water & encourage wetting/pressure from saliva inside mouth. Gently peel or roll the lips apart (do not pull). It is almost impossible to swallow cyanoacrylate as adhesive solidifies upon contact with saliva & may adhere to inside of mouth. Saliva should lift the adhesive in 12 - 48 hours. Do not force removal. Do not swallow the adhesive when it loosens.
Medical Conditions Generally Aggravated by Exposure:	Pre-existing skin, eye and respiratory disorders may be aggravated by exposure.

Product: **ACRYLIC LIQUID****SECTION III. Hazards Ingredients Identification (Continued)**

In Accordance with Directive 67/548/EC or Directive 1999/45/EC

Labelling in accordance
with EC Directives

Requires labelling

Hazardous components
for labelling

Methyl methacrylate

Hazard Symbols

F Highly flammable

Xi Irritant

Risk-Phrases



XI



F

Risk-Phrases

R11

Highly flammable

R36/37/38

Irritating to eyes, respiratory system and skin

R43

May cause sensitisation by skin contact

Safety-Phrases

S9

Keep container in a well-ventilated place

S16

Keep away from sources of ignition

S24/25

Avoid any inhalation, contact with skin and eyes.

Wear suitable protective clothing and gloves

S29

Do not empty into drains

S46

If swallowed, seek medical advice immediately and show this
container or label

S60

This material and its container must be disposed of as
hazardous waste

Other hazards:

Polymerisation with heat evolution may occur in the presence of radical forming substances (e.g peroxides),
reducing substances, and/or heavy metal ions.

In Accordance with Regulation EC 1272/2008

COMPONENT

CAS NO.

CONTENT

HAZARD/CATEGORY/STATEMENT

EC INDEX NO.

REACH NO.

EINECS NO.

Methyl Methacrylate

80-62-6

>96%

Flam. Liq./2/H225

607-035-00-6

Skin Irrit./2/H315

01-2119452498-28

Skin Sens./1/H317

201-29701

STOT SE (inhalation)/3/H335

1,4-Butanediol

2082-81-7

<4.0%

Skin Sens./1/H317

STOT SE (inhalation)/3/H335

Dimethacrylate

Pre-registered

218-218-1

In Accordance with Directive 67/548/EC or Directive 1999/45/EC

COMPONENT

CAS NO.

HAZARD SYMBOL - R-PHRASE

CONTENT

Methyl Methacrylate

80-62-6

F,Xi – 11,36/37/38, 43

>96%

1,4-Butanediol

2082-81-7

Xi – 36/37/38, 43

<4.0%

Dimethacrylate

Product: **ZAPIT BASE****SECTION X. Stability and Reactivity**

Product is stable under normal conditions.

Conditions to Avoid: Excessive heat above 176 F (81 C) moisture and alkalines. Stable up to 122 F (50 C).

Incompatibility (Materials to Avoid): Polymerized by water, alcohol, amines, alkaline materials and direct UV.

Hazardous Decomposition: Combustible by-products of carbon monoxide/dioxide.

Hazardous Polymerization may not occur.

SECTION XI. Toxicological Information

Please refer to Sections II and III.

SECTION XII. Ecological Information

Please refer to Sections I thru X.

SECTION XIII. Disposal Considerations

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261. Dispose of in an approved landfill in accordance with state and local regulations.

Incinerate solid combustible waste or dump as chemical waste according to regulations.

SECTION XIV. Transport Information

Transport this product according to local, state and federal requirements.

SECTION XV. Regulatory Information

Substances listed as hazardous component (s) as defined in 49 CFR 172 and 29 CFR 1910, which are present in this product and all components which appear on the hazardous substance list of any state.

EPA SARA TITLE III HAZARD CLASS: Combustible liquid.

This product contains NO CHEMICALS subject to the reporting requirements of EPA SARA TITLE III Section 313 (40CFR372); or considered by State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as causing cancer or reproductive toxicity and for which warnings are now required.

SECTION XVI. Other

The data herein relates to the product named and is based upon information that Dental Ventures of America, Inc. believes to be reliable and accurate. No warranty expressed or implied is intended. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. This information is offered solely for your consideration and interpretation.



SAFETY DATA SHEET

ZAPIT BASE RED

1. PRODUCT AND COMPANY IDENTIFICATION

Date Revised: November 2014

PRODUCT DESCRIPTION: ZAPIT RED

MANUFACTURER

Dental Ventures of America, Inc.
1787 Pomona Rd., Suite C
Corona, 92880, CA.

Emergency Contact: Infotrack: 800.535.5053

Emergency Phone: 951.270.0606

Alternative Emergency Phone: 800.228.6696

USE OR APPLICATION: To join small parts in a dental laboratory setting.

USES ADVISED AGAINST: Industrial use only.

2. HAZARD(S) IDENTIFICATION

GHS CLASSIFICATIONS

Health

Eye Irritation, Category 2

Skin, Irritation, Category 2

Skin Sensitization, Category 1 Respiratory Tract Irritation, Category 3

GHS LABEL ELEMENTS



HAZARD STATEMENTS

H 315: Causes skin irritation.

H 319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H317: May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS

2783BK66: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.

46097G8KU: Contains Hydroquinone. May produce an allergic reaction.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash skin and hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.



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ZAPIT BASE RED

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- P337+P313: If eye irritation persists: Get medical advice/attention.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: If skin irritation occurs: Get medical advice/attention.
- P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call POISON CENTER or doctor/physician if you feel unwell.
- P362: Take off contaminated clothing and wash before reuse.

Storage

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

Disposal

7944L501: Dispose of in a manner consistent with federal, state and local regulations

EMERGENCY OVERVIEW:

PHYSICAL APPEARANCE: Clear, colorless liquid

IMMEDIATE CONCERNS: R36/37/38: Irritating to eyes, respiratory system and skin.

POTENTIAL HEALTH EFFECTS: **EYES:** R36: Irritating to eyes, **SKIN:** May cause skin irritation. Allergic reactions are possible. **INGESTION:** Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product. **INHALATION:** R37: Irritating to respiratory system.

MEDICAL CONDITIONS AGGRAVATED: Not a likely route of exposure.

ROUTES OF ENTRY: Inhalation & ingestion are major routes of entry.

CANCER STATEMENT: Not Applicable.

3. COMPOSITION /INFORMATION ON INGREDIENTS

Under GHS-OSHA 4.11 the precise composition of this product is withheld as confidential business information (CBI). A more complete disclosure can be provided to a health, or safety professional when necessary.

SUBSTANCES or MIXTURE Mixture

NO. COMPONENT	CAS.NO	PERCENT/Wt.
ETHYL-2 CYANOACRYLATE	7085-85-0	60 - 100%
Polymethyl methacrylate	9011-14-7	10 - 30%
Hydroquinone	123-31-9	0 - 1



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4. FIRST-AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Wash with soap and water. Peel or roll skin apart.

INHALATION: Remove to fresh air. Prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.

INGESTION: Peel or roll skin apart. Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing solid adhesive after detachment. Not a toxic product.

SIGNS AND SYMPTOMS OF OVER EXPOSURE:

Causes eye irritation.

Moderate skin irritation.

Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.

Prolonged or excessive inhalation may cause respiratory tract irritation.

Avoid exposure to vapor concentration in confined areas. Frequent or prolonged contact may irritate the skin and cause a skin rash.

5. FIRE-FIGHTING MEASURES

GENERAL HAZARD: Combustible liquid and vapor. Product polymerized to solid by water.

EXTINGUISHING MEDIA: Use dry chemical extinguisher or flush with large amounts of water.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand.(MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustible by-products of carbon monoxide/dioxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Polymerize with water. Solid material may be scraped from surface.

LARGE SPILL: Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

ENVIRONMENTAL PRECAUTIONS: **WATER SPILL:** None known.



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ZAPIT BASE RED

7. HANDLING AND STORAGE

- GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes. Skin and clothing.
- HANDLING:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.
- STORAGE:** Store in cool place in original container and protect from sunlight. Keep away from sources of ignition.
- STORAGE TEMPERATURE:** Ideal Storage: 41-50 f (5-10c)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well ventilated area. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

Eyes and Face: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: S36/37: Wear suitable protective clothing and gloves.

RESPIRATORY: Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment.

WORK HYGIENIC PRACTICES: S24/25: Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid contact with clothing as contact can cause burn.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Transparent, red liquid.

PERCENT VOLATILE: <20 g/L

VAPOR PRESSURE: 1mm Hg@20C

BOILING POINT: 185C (365F)

EVAPORATION RATE: Not established

VISCOSITY #1: 400 to 600 Centipoise at 22C (72F) (**VOC**): <20.000 g/L

ODOR: Characteristic odor, intensely irritating.

FLASH POINT AND METHOD: 85C (185F) CC Closed Cup

VAPOR DENSITY: Not established.

SOLUBILITY IN WATER: In soluble

SPECIFIC GRAVITY: 1.06



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ZAPIT BASE RED

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Avoid temperatures above 176F (80 C), moisture and alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.

INCOMPATIBLE MATERIALS: Polymerized by water, alcohol, amines, alkaline materials and direct UV.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Dermal LD₅₀ >2000 mg/kg Notes: (Estimated)

Oral LD₅₀ > 5000 mg/kg Notes: (Estimated)

Inhalation LC₅₀ Vapors may be irritating. Recommended TWA 0.2ppm.

Eye Effects: Bonds skin and eyes in seconds. Eye irritant.

Skin Effects: Irritating to skin. May cause allergic skin reaction with prolonged contact.

Sensitization: Possible skin sensitizer.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: None known.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Polymerize with water to a solid material. Dispose of as solid waste or trash in accordance with local government regulations of the region.

Please refer to Section 8 for Exposure Controls/Personal Protection.

14. TRANSPORT INFORMATION

UN Number: N/A

UN Proper Shipping Name: Not restricted.

TRANSPORT HAZARD CLASS(S) Not restricted

PACKING GROUP NUMBER: Not restricted.

ENVIRONMENTAL HAZARDS: Not restricted.

GUIDANCE ON TRANSPORT IN BULK: Not restricted.

CANADA TRANSPORT OF DANGEROUS GOODS: SHIPPING NAME: Not restricted.

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA

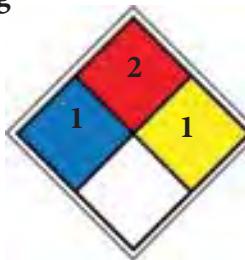
CALIFORNIA PROPOSITION 65: Not applicable.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION

16. OTHER INFORMATION

HMIS Rating



Health: 1

Flammability: 2

Physical Hazard: 1

Personal protection:

DATE PREPARED: November 2014

SUPERSEDES MSDS: October 2012

MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Dental Ventures of America, Inc 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.