SAFETY DATA SHEETS

This SDS packet was issued with item:

072797553

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

072797504 072797587

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).

072797595

5/2018

MSDS Name: ZAPIT INTRO GLUE

Components:

: DVA Zapit Accelerator

: Zapit Solvent

: DVA Rocket "Zapit Base"

ACTIO MSDS ID: 52042

Dental Ventures Of America, Inc.
DVA Zapit AcceleratorNFPA
2
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****
SECTION 1 : Chemical Product and Company Identification
****

MSDS Name: DVA Zapit Accelerator
Manufacturer Name:Dental Ventures Of America, Inc.
Address:
217 Lewis Court
Corona, California 91720

Telephone Numbers:
Int'l: (909) 270-0606
Nat'l: (800) 228-6696

Business Phone:(800) 228-6696/(909) 270-0606
Business Fax: (909) 270-0636
For information in North America, call: (800) 228-6696/(909) 270-0606
For emergencies in the US, call CHEMTREC: 800-424-9300
Trade Names:
DVA Zapit Accelerator
Synonyms:
Curing Accelerator
CAS Number: Not Applicable - Solution

Chemical Formula: Not Applicable - Mixture
Generic Description:
Generic Name: Curing Accelerator
NFPA
Health: 2
Flammability: 2
Reactivity: 1
Other: None

Material Safety Data Sheet for "Zapit Accelerator - H"

Chemical Name: Curing Accelerator

Molecular Weight: Not Applicable - Mixture

DOT Hazard Classification: Heptanes

Technical Contact: DVA INC.

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SECTION 2 : Hazardous Ingredients/Identity Information
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Chemical Name
Heptane CAS#
142-82-5 Percent
80.0000% Max.

Other Exposure Guidelines:
TWA: 400 PPM
STEL: 500 PPM.

Unknown
Chemical Name
Acetone CAS#
67-64-1 Percent
20.0000% Max.

RTECS:
REP: AL3150000
OSHA PEL TWA: 1000 PPM
Other Exposure Guidelines:
TWA: 750 PPM
STEL: 1000 PPM

Flammable

SARA 313 List and 302.4 List - RQ 5000#

Caution: Irritating to eyes and mucous membranes.

Listed above 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.

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SECTION 3 : Physical And Chemical Characteristics
****

Physical State/Appearance:
Clear

DOT Hazard Classification: ORM-A

Technical Contact: DVA Inc.

****
SECTION 2 : Hazardous Ingredients/Identity Information
****
Chemical Name
Methylene Chloride - Ind Grade CAS#
75-09-2 % Weight
100%

OSHA PEL TWA: 500 ppm
ACGIH TLV TWA: 100 ppm
Carcinogen Paragraph:
   Identified as a CARCINOGEN by IARC
Other Exposure Guidelines:
   The OSHA Acceptable Ceiling is 1000 PPM. The Acceptable Maximum Peak Above the Acceptance Ceiling Concentration for an 8-Hour Shift is 2000 PPM for a Maximum Duration of 5 Minutes in any 2 Hours. NIOSH Recommends a Limit of 75 PPM, 8-Hour TWA; 500 PPM 15 Minute Ceiling.

****
SECTION 3 : Physical And Chemical Characteristics
****

Physical State/Appearance:
 Clear
Color:
 Water white
Odor:
 Solvent
Vapor Density:
 (AIR = 1): 2.9
Boiling Point:
 103-105 deg F. (39-40 deg C.) @760 mm Mercury
Specific Gravity:
 1.3
Evaporation Point:
 (Ethyl Ether = 1): 1.80
Percent Volatile:
 100%
FlashPoint:
 Not Applicable
Upper Flammable Explosive Limit:
 23.0%
Lower Flammable Explosive Limit:
 13.0%

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SECTION 4 : Fire And Explosion Hazards
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Flash Point:
 Not Applicable
Upper Flammable or Explosive Limit: 23.0%
Lower Flammable or Explosive Limit: 13.0%
Extinguishing Media:
 Recommended: Water, fog or carbon dioxide or dry chemical
Fire Fighting Instructions:

When fighting fire, wear full protective equipment, including self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
Unusual Fire Hazards:
(Conditions to avoid): Not Applicable
Hazardous Decomposition Byproducts:
May form toxic materials: Carbon dioxide and carbon monoxide, hydrogen chloride, phosgene.

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SECTION 5 : Health Hazards
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Methylene Chloride - Ind Grade:
Route of Exposure:
Inhalation, Skin contact
Potential Health Effects:
For Product:
Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver abnormalities, lung damage.
Eye Contact:
For Product:
Acute: Can cause irritation.
Skin Contact:
For Product:
Acute: Can cause irritation.
Inhalation:
For Product:
Acute Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.
Swallow:
For Product:
Acute: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Health Effects:
For Product:
Overexposure to methylene chloride can raise the level of carbon monoxide in the blook causing cardiovascular stress. Methylene chloride is listed as a potential carcinogen (2B) by IARC. Results of laboratory animal tests show that methylene chloride produced: Benign tumors in rats exposed to 500 ppm; cancer in rats and mice exposed to 1500 ppm and higher, but not in hamsters. It increased the rate of spontaneously occurring malignant tumors in the B6C3F1 mouse. Epidemiology studies failed to show a tumorigenic response in plant workers.
Laboratory animal studies to evaluate potential birth defects and effects on reproduction show: A low degree of maternal and embryotoxicity at 4500 ppm; no teratological effects and no effects on reproduction at concentrations of 4500 and 1225 ppm.
Permissible Exposure Level: 500 ppm
Threshold Limit Value: 100 ppm

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SECTION 6 : Emergency And First Aid Procedures
****

Eye Contact:
If in eyes, flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.
Skin Contact:
If on skin, thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder clothing before re-use.
Inhalation:
If breathed: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.
Ingestion:
If swallowed: Do not induce vomiting. Immediately drink two glasses of water. Never give anything by mouth to an unconscious person. Call physician or transport to an emergency facility.

Do not give stimulants. Epinephrine or ephedrine may adversely affect the heart with fatal results.

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SECTION 7 : Reactivity Data
****

Chemical Stability:
Product is stable under normal conditions
Incompatibilities with Other Materials:
(Materials to avoid): Aluminum
Hazardous Polymerization:
Hazardous polymerization will not occur.
Hazardous Decomposition Products:
May form toxic materials: Carbon dioxide and carbon monoxide, hydrogen chloride, phosgene.

****
SECTION 8 : Precautions For Safe Handling
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Large Spill:
Persons not wearing protective equipment should be excluded area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.
Small Spill:
Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to hood.

Handling:
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Waste Disposal:
Small spill: Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.

Large spills: Destroy by liquid incineration with off-gas scrubber. Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

DOT Hazard Class: ORM-A

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SECTION 9 : Control Measures
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Ventilation System:
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).
Hand Protection Description:
Protective gloves: Wear resistant gloves such as: polyvinyl alcohol
Eye/Face Protection:
Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your safety equipment supplier).
Respiratory Protection:
If workplace exposure limit(s) of product or any component is exceeded (see first section), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (See your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.
Other Protective:
To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
Exposure Limits:
Permissible Exposure Level: 500 ppm
Threshold Limit Value: 100 ppm

****
SECTION 10 : Other Information
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NFPA:
Fire Hazard: 1
Health: 2
Reactivity: 0
MSDS Author:
Technical Contact: DVA Inc.
Disclaimer:
The information herein relates to the product named and is based upon information DVA Inc. considers to be accurate. No warranty expressed or implied is intended.

This information is offered solely for your consideration and interpretation.

ACTIO MSDS ID: 52044

Dental Ventures Of America, Inc.
DVA Rocket "Zapit Base"NFPA
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SAFETY DATA SHEET

ZAPIT ACCELERATOR

1. PRODUCT AND COMPANY IDENTIFICATION

Date Revised: April, 2015

PRODUCT DESCRIPTION: Curing Accelerator

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: Used in conjunction with Zapit Glue for dental purposes.

USES ADVISED AGAINST: Use only as directed.

2. HAZARD(S) IDENTIFICATION

GHS CLASSIFICATIONS

Health:

- Acute Toxicity (Oral), Category 3
- Acute Toxicity (Dermal) Category 3
- Acute Toxicity (Inhalation), Category 2
- Skin Irritation, Category 2
- Eye Irritation, Category 2
- Aspiration Hazard, Category 1

Physical:

- Flammable Liquids, Category 2

SIGNAL WORD DANGER

GHS LABEL ELEMENTS

HAZARD STATEMENTS

H225: Highly flammable liquid and vapor.
H301: Toxic if swallowed.

HAZARD STATEMENTS, Cont.

H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H315: Causes skin irritation
H319: Causes serious eye irritation
H330: Fatal if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

Prevention Statement(s)

P210: Keep away from heat/sparks/hot surfaces. - No smoking.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing eye protection/face protection.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in position comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:

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

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 Liquid

NO. COMPONENT	CAS.NO	PERCENT
Heptane	142-82-5	65-75
Acetone	67-64-1	15-25
N,N-DIMETHYL-P-TOLUIDINE	99-97-8	5-10

4. FIRST-AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

INHALATION: Immediately remove patient to fresh air. If breathing has stopped, give artificial respiration. Use oxygen as required. provided a qualified operator is available. Get medical attention immediately.

INGESTION: Do Not induce vomiting. Contact physician at once.

SIGNS AND SYMPTOMS OF OVER EXPOSURE:

EYES: Causes eye irritation.

SKIN: Remove contaminated clothing and wash affected areas with soap and water, Prolonged or repeated contact can cause dermatitis in sensitive individuals. Contact a physician if irritation persists.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

5. FIRE-FIGHTING MEASURES

GENERAL HAZARD: Highly flammable

EXTINGUISHING MEDIA: Use dry chemical, foam or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Combustible by-products of carbon monoxide and dioxide.

FIRE FIGHTING PROCEDURES: "Empty" containers, retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum re conditioner, or properly disposed of.

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

HAZARDOUS DECOMPOSITON PRODUCTS: Carbon monoxide or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

METHODS AND MATERIALS FOR CONTAINMENT: Small Spill: Ventilate area and remove sources of ignition. Confine and remove with inert absorbent. Large Spill: Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

CLEANUP PROCEDURES: Water Spill: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid breathing of vapors. Use only in well ventilated areas. When handling, do not eat, drink or smoke.

HANDLING: Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

STORAGE: Keep away from heat, sparks and flame, sunlight and ignition sources. Do not place in direct sunlight or allow contamination with incompatible materials. Do not return any used material to storage container. Keep tightly capped. Storage Temperature: Ambient room temperature (70F/21C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during 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:** Wear chemical resistant gloves (Buna-N or Polyvinyl alcohol) and apron to protect skin and clothing.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not know, or an circumstances where air purifying respirators may not provide adequate protection.

WORK HYGIENIC PRACTICES: Avoid direct contact and breathing vapor. Use with adequate ventilation. Wash hands with soap and water after use.

EXPOSURE GUIDELINES **OSHA HAZARDOUS COMPONENTS (29cfr1910.1200**

Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Heptane	TWA	500	2000	400	1640		
	STEL			500	2050		
Acetone	TWA	1000 ppm(1)	2400 mg/m3(1)	500 ppm	mg/m3	NL ppm	NLmg/m3
	STEL	ppm	mg/m3	750ppm	mg/m3	NLppm	NLmg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Moderate odor

APPEARANCE: Transparent, colorless liquid

FLASHPOINT AND METHOD: -20C (-4F)

VAPOR PRESSURE: Not established

VAPOR DENSITY: Not established

BOILING POINT: 13C (56F)

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: Not established

SPECIFIC GRAVITY: 0.7

VISCOSITY #1: Not established

(VOC): 574.000 g/L

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Heat, sparks and flame

INCOMPATIBLE MATERIALS: Pure oxygen and strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

EYES EFFECTS: Mildly to moderately irritating.

SKIN EFFECTS: Repeated exposure may cause skin sensitization

12. ECOLOGICAL INFORMATION

EXOTOXICITY EFFECTS:

AQUATIC TOXICITY:

R50/53: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

S56: Dispose of this material and its container to hazardous or special waste collection point.

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

14. TRANSPORT INFORMATION

DOT (Department of Transportation, Air (ICAO/IATA), Vessel (IMO/IMDG)

UN Number: 1993

UN Proper Shipping Name: Flammable liquids N.O.S. (contains Heptane, Acetone)

TRANSPORT HAZARD CLASS(S) 3

PACKING GROUP NUMBER: II

GUIDANCE ON TRANSPORT IN BULK: None given

SPECIAL PRECAUTIONS: None given.

15. REGULATORY INFORMATION

UNITED STATES

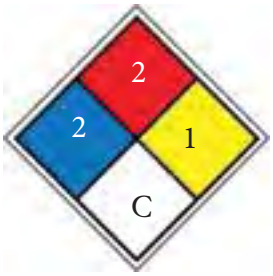
TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

16. OTHER INFORMATION

DATE PREPARED: April, 2015
SUPERSEDES MSDS: May, 2006

HMIS RATING:



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