

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

072797561

**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



# SAFETY DATA SHEET

Date Revised: FEB.2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT DESCRIPTION: ZAPIT TIP CLEANER

#### 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:** Other non-specified industry: Analytical reagent.

## 2. HAZARD(S) IDENTIFICATION

Emergency overview	<p>Cancer Hazard - can cause cancer. Harmful if inhaled, absorbed through skin or swallowed Causes respiratory tract, eye and skin irritation. Causes damage to the following organs: Lungs, liver,. May cause damage to the following organs: Cardiovascular system, skin, eyes, central nervous system.</p> <p><b>WARNING:</b> this product contains a chemical or chemicals known to the state of California to cause cancer.</p> <p>Do not breath vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing. Use only in with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.</p>
Physical state:	Liquid (Colorless)
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Routes of entry	Dermal contact. Eye contact. Inhalation. Ingestion
<u>Potential Acute health effects:</u>	
Inhalation	Toxic by inhalation. Irritating to respiratory system.
Ingestion	Toxic if swallowed.
Skin	Toxic in contact with skin. Irritating to skin.
Eyes	Irritating to eyes.

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### Potential chronic health effects:

Carcinogenicity	Can cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Target organs	Causes damage to the following organs: lungs, liver. May cause damage to the following organs: cardiovascular system, skin, eyes, central nervous system (CNS).

Medical conditions aggravated by over-exposure: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk maybe aggravated by over-exposure to this product.

### 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

NO. COMPONENT	CAS.NO	PERCENT
Dichloromethane	75-09-2	100%

### 4. FIRST-AID MEASURES

- EYES:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- SKIN:** In case of contact immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- INHALATION:** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention
- INGESTION:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

#### **SIGNS AND SYMPTOMS OF OVER EXPOSURE:**

None known.



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### 5. FIRE-FIGHTING MEASURES

- FLAMMABILITY OF THE PRODUCT:** In a fire or if heated, a pressure increase will occur and the container may burst.
- EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for surrounding fire.
- EXTINGUISHING MEDIA NOT SUITABLE:** None
- FIRE FIGHTING EQUIPMENT:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, halogenated compounds, carbonyl halides.
- SPECIAL EXPOSURE HAZARDS:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### 6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled materials. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- ENVIRONMENTAL PRECAUTIONS:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- METHODS FOR CLEAN-UP SPILL:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency contact information. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.



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### 7. HANDLING AND STORAGE

**HANDLING:**

Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**STORAGE:**

Store in accordance with local regulations. Store in original container, protected from direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**INCOMPATIBILITIES:**

Unknown

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	EXPOSURE LIMITS
Dichloromethane	ACGIH (United States, 1996). TWA: 174 mg/m <sup>3</sup> OSHA (United States, 1989). TWA: 25 ppm STEL: 125 ppm ACGIH: TLV (United States, 2/2010). TWA: 50 ppm 8 hour(s) TWA: 174 mg/m <sup>3</sup> 8 hours(s). OSHA PEL 1989 (United States, 11/2006). STEL: 125 ppm 15 minute(s). TWA: 25 ppm 8 hour(s).

**ENGINEERING CONTROLS:**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**PERSONAL PROTECTIVE EQUIPMENT:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: Splash goggles

**EYES AND FACE:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: lab coat

**SKIN:**



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

**RESPIRATORY:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**ENVIRONMENTAL EXPOSURE CONTROLS:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Consult local authorities for acceptable exposure limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR/ODOR THRESHOLD:</b>	Ethereal/214 ppm
<b>APPEARANCE:</b>	Colorless
<b>AUTO-IGNITION TEMPERATURE</b>	556.11 to 614.85 C (1033 to 1138.7 F)
<b>FLAMMABLE LIMITS:</b>	Lower: 13%, Upper: 23%
<b>MOLECULAR WEIGHT:</b>	84.93g/mole
<b>MOLECULAR FORMULA:</b>	CH <sub>2</sub> C <sub>12</sub>
<b>pH:</b>	Not Available
<b>BOILING /CONDENSATION POINT:</b>	40C (104F)
<b>MELTING/FREEZING POINT:</b>	-98.6C (-142F)
<b>RELATIVE DENSITY:</b>	1.33
<b>VAPOR PRESSURE/DENSITY:</b>	45.3 KpA (340 MM hG) (20c)/2.9 (aIR = 1)
<b>VOLATILITY/VOC:</b>	100%(v/v)/100% (w/w)
<b>EVAPORATION RATE:</b>	14.5 (butyl acetate = 1)
<b>SOLUBILITY:</b>	Partially soluble in the following materials: water



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### 10. STABILITY AND REACTIVITY

**STABLE:** The product is stable.

**HAZARDOUS POLYMERIZATION:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** No specific data.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Reactive or incompatible with the following materials: oxidizing materials and metals.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY:

Product/ingredient name	Test Route
Dichloromethane	On File as needed

#### CARCINOGENICITY CLASSIFICATION

Product/Ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Dichloromethane	A3	2B	-	+	Possible	+

#### MUTAGENICITY

No known significant effects or critical hazards.

#### TERATOGENICITY

No known significant effects or critical hazards.

### 12. ECOLOGICAL INFORMATION

#### EXOTOXICITY EFFECTS:

**AQUATIC TOXICITY:** Results are on file.

**TOXICITY TO OTHER ORGANISMS:**

**ENVIRONMENTAL EFFECTS:** Results are on file.

**OTHER ADVERSE EFFECTS:** Results are on file.


### 13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

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### 14. TRANSPORT INFORMATION

Regulatory Information	UN number	Proper shipping name	Classes	PG	Label	Additional Information
DOT Classification	UN 1593	Dichloromethane	6.1	III		Reportable quantity 1000 lbs. (454kg)

### 15. REGULATORY INFORMATION

#### United States

HCS Classification Toxic material, irritating material, carcinogen, target organ effects

#### U.S. Federal Regulations:

TSCA 8(a) IUR: Partial exemption  
 United States Inventory (TSCA8b): This material is listed or exempted.  
 TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inv.  
 SARA 302/304/311/312 extremely hazardous substances: No products found  
 SARA 302/304 emergency planning and notification: No products found.  
 SARA 3302/304/311/312 hazardous chemicals: Dichloromethane.  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Dichloromethane: Immediate (acute) health hazard, Delayed (chronic) health hazard.  
 Clean Water Act (CWA) 307: Dichloromethane  
 Clean Water Act (CWA) 311: No products were found.  
 Clean Air Act (CAA) 112 accidental release prevention, regulated flammable substances, regulated toxic substances: No products found.

DEA List I Chemicals (Precursor Chemicals) Not Listed  
 DEA List II Chemicals (Essential Chemicals) Not Listed

SARA 313 Form R - Reporting Requirements	Product Name	CAS number	Concentration
	Dichloromethane	75-09-2	100
Supplier Notification	Dichloromethane	75-09-2	100

SARA 313 Notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.



### 15. REGULATORY INFORMATION - Continued

Massachusetts Substances, New Jersey Hazardous Substances, New York Acutely Hazardous Substances, Pennsylvania RTK Hazardous Substances: This material is not listed.

#### California Prop. 65

Warning: This product contains a chemical or chemicals known to the state of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk	Maximum Acceptable Dosage
Dichloromethane	Yes	No	20 ug/day inhalation	No

#### Canada

**WHMIS (Canada)** Class D-1B: Material causing immediate and serious toxic effects (Toxic).  
Class D-2A: Material causing other toxic effects (Very toxic).  
Class D-2B: Material causing other toxic effects (Toxic).

**Canadian lists:** CEPA Toxic substances: This material is listed.  
Canadian ARET: This material is not listed.  
Canadian NPRI: This material is listed  
Alberta Designated Substances, Ontario Designated Substances, Quebec Designated Substances: This material is not listed.

**CEPA DSL/CEPA NDSL:** This material is listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

#### EU REGULATIONS

Hazard symbol or symbols:



R40-Limited evidence of carcinogenic effect.

Risk phrases: S23-Do not breath.

S24/25-Avoid contact with skin and eyes.

S36/37- Wear suitable protective clothing and gloves.

#### INTERNATIONAL LISTS

Australia inventory (AICS): This material is listed or exempted.

China inventory (IECSC): This material is listed or exempted.

Japan inventory: This material is listed or exempted

Korea inventory: This material is listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): This material is listed or exempted.

Philippines inventory (PICCS): This material is listed or exempted.

**16. OTHER INFORMATION**

National Fire Protection Association (U.S.A.)



**DATE PREPARED:** February, 2014  
**SUPERSEDES MSDS:** February, 2011

**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.