

**SECTION 9:**  
**PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE**

*Form:* Liquid  
*Color:* Different  
*Odor:* Sweetish

**Information on Change in the Physical State**

	<i>Value</i>	<i>Unit</i>	<i>Method</i>
<i>Melting point/melting range:</i>	approx. -86/-123	°C/°F	
<i>Boiling point/boiling range:</i>	approx. 40/104	°C/°F	
<i>Flash point:</i>	n.d.	°C/°F	
<i>Autoignation temperature:</i>	505/941	°C/°F	DIN 51794
<i>Danger of explosion:</i>	Lower limit of explosion	1.8 %	Kühn-
	Upper limit of explosion	11.5 %	Birett
<i>Density:</i>	approx. 0.93 (20°C/68°F)	g/cm <sup>3</sup>	
<i>Vapor pressure:</i>	approx. 100	mbar	
<i>Viscosity:</i>	Slightly viscous		
<i>pH:</i>	Neutral		
<i>Solubility in/miscibility with:</i>	Soluble in acetone and toluene, slightly in petrol ether		
	Insoluble		
<i>Water:</i>			
<i>Content of solvents:</i>			
<i>Organic solvents:</i>	Ethyl methyl ketone, dichloromethane		
<i>Water:</i>	None		
<i>Content of solids:</i>	None		

**SECTION 10:**  
**STABILITY AND REACTIVITY**

**Conditions to Avoid:**

Avoid heat. The product is stable by proper use.  
Avoid contact with oxidation agents (e.g. Cr(VI) compounds; H<sub>2</sub>O<sub>2</sub> etc.).  
Avoid contact with alkali metals, alkaline earth metals, metals in powder form.

**Hazardous Decomposition Products:** In case of fire: phosgene, hydrochloric acid

**SECTION 11:**  
**TOXICOLOGICAL INFORMATION**

**Acute toxicity:** Small effects of toxicity

**Primary irritation:**

Repeated or prolonged exposure may cause skin irritation or dermatitis, due to degreasing properties of the product. Resorption possible.

**Eye:** Severe irritation. Risk of corneal clouding.

**Inhalation:** Mucosal irritations; inebriation, narcosis, unconsciousness.

**Sensitization of Product:** Not observed.

**Additional Toxicological Information:** The following applies to halogenated hydrocarbons in general: systemic effect: narcosis, cardiovascular disorders. Toxic effect on liver, kidneys. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12:**  
**ECOLOGICAL INFORMATION**

**General information:** Do not allow to enter the environment or sewerage system.

**Classification of Water Endangerment:** WGK 2 (German regulation) hazardous for water.

**SECTION 13:**  
**DISPOSAL CONSIDERATION**

**Product:**

**Recommendation:** Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

**Uncleaned Packaging:**

**Recommendation:** Handle contaminated packaging in the same way as the substance itself.

**SECTION 14:**  
**TRANSPORTATION INFORMATION**

**Land Transport ADR, RID:**

UN 1992  
ENTZÜNDBARE FLÜSSIGKEIT, TOXISCH N.A.G.  
(Ethylmethylketon / Dichlormethan), 3 (6.1), II

**Maritime Transport: IMDG-Code:**

UN 1992  
FLAMMABLE LIQUID, TOXIC, N.O.S.  
(Ethyl methyl ketone / Dichloromethane), 3 (6.1), II  
EmS: F-E S-A/S-E

**Air Transport ICAO-TI/IATA-DGR:**

UN 1992  
FLAMMABLE LIQUID, TOXIC, N.O.S.  
(Ethyl methyl ketone / Dichloromethane), 3 (6.1), II

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

**SECTION 15:**  
**REGULATORY INFORMATION**

**Classification according to EC-guidelines:**

The product is a medical device according to EC-directive 93/42 EEC.

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**SECTION 16:**  
**OTHER INFORMATION**

**Changes Compared with the Previous Version:** Adaptation according to 1907/2006/EG, Article 31

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data does not signify any warranty with regards to product's properties. However, users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.

CLINICIAN'S CHOICE® Dental Products, Inc. does not accept liability for any loss or damage, direct or consequential, arising out of the use of or the inability to use this product. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection therewith.

**Prepared by:** Peter G. Jordan

**CAUTION:** U.S. Federal law restricts this device to sale by, or on the order of, a dentist.

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AFFINITY  
TRAY ADHESIVE

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CHOICE®  
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### INTENDED USE:

A liquid adhesive used as a medical device to provide a bond between the impression material and tray when fabricating dental impressions.

### INSTRUCTIONS

1. Paint a thin layer of AFFINITY™ Tray Adhesive onto tray.
2. Allow to sit for 1:00 minute.

**NOTE:** Use only AFFINITY™ Tray Adhesive with hydroactive AFFINITY™ VPS Impression Material.

## SAFETY DATA SHEET

### SECTION 1: PRODUCT IDENTIFICATION/PREPARATION/COMPANY UNDERTAKING

#### PRODUCT DETAILS

**Trade Name:** AFFINITY™ Tray Adhesive

**Use of the Preparation:** Tray Adhesive

**Company:**  CLINICIAN'S CHOICE® Dental Products, Inc.,  
167 Central Avenue, London, ON, Canada, N6A 1M6

For U.S. Distribution: Brookfield, CT, USA, 06804

For emergencies or product information, please call 1-800-265-3444

(519-641-3066) (8:00am - 5:00pm ET) or email info@clinicianschoice.com.

**Date of Issue:** 26.05.2015

### SECTION 2:

#### HAZARDS IDENTIFICATION

##### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Classification according to Regulation (EC) 1272/2008:**

Carc. 2, H351 Suspected of causing cancer.

Flam. Liq. 2, H225 Highly flammable liquid and vapor.

Eye Irrit. 2, H319 Causes serious eye irritation.

STOT SE 3, H336 May cause drowsiness or dizziness.

##### Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General classification guideline for preparations of the EU" in the latest valid version.

##### LABEL ELEMENTS:

**Labeling according to Regulation (EC) 1272/2008:**



##### Signal word

Danger

##### Hazard statements

H351 Suspected of causing cancer

H225 Highly flammable liquid and vapor

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

##### Precautionary statements

P403 Store in a well ventilated place.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P262 Do not get in eyes, on skin or on clothing.

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

P281 Use personal protective equipment as required.

P235 Keep cool.

##### Labeling according to EU guidelines:

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body; are exempted from the provisions of Regulation (EC) No. 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

##### Other Hazards

##### Results of PBT and vPvB assessment

**PBT:** not applicable

**vPvB:** not applicable

### SECTION 3:

#### COMPOSITION/INFORMATION OF INGREDIENTS

##### Chemical Characterization:

**Description:** Solution of modified polyacrylates in ethyl methyl ketone and dichloromethane.

##### Hazardous Components:

CAS-No [78-93-3] EC-No 201-129-0 Ethyl methyl ketone GHS02, GHS07

H225, H319, H336

CAS-No [75-09-2] EC-No 200-838-9 Dichloromethane GHS08, H351

### SECTION 4:

#### FIRST-AID MEASURES

**After Inhalation:** Fresh air.

**After Skin Contact:** Wash with plenty of water. Remove contaminated clothing. Consult a physician.

**After Eye Contact:** Rinse with plenty of water with the eyelid held wide open. Consult an ophthalmologist, if necessary.

**After Swallowing:** Caution if victim vomits. Risk of aspiration. Keep airways free. Drink plenty of water, but no milk or castor oil. Call a physician immediately.

### SECTION 5:

#### FIRE FIGHTING MEASURES

**Extinguishing media:** Water, CO<sub>2</sub>, foam, powder.

**Protective equipment:** Do not stay in dangerous zone without suitable chemical protection clothing and self-containing breathing apparatus.

### SECTION 6:

#### ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms.

**Environmental Precautions:** Observe local bylaws. Do not allow to enter sewerage system.

**Methods for Cleaning Up:** Wipe up with absorbent material. Dispose. Clean up affected area.

**Additional Information:** None

### SECTION 7:

#### HANDLING AND STORAGE

**Handling:** The product should only be supplied or handled to dentists or dental technicians or upon their instructions.

**Information for Safe Handling:** For dental use only. Work under hood. Do not inhale substance/mixture. Avoid generation of vapors/aerosols.

**Recommendation for Fire and Explosion Protection:** Keep away from sources of ignition.

##### Storage:

**Requirements at Storerooms and Containers:** Tightly closed. Protected from light. Store in well ventilated place at 15°C/59°F to 25°C/77°F.

**Requirements for Storage with Other Products:** Keep away from food.

**Further Information on Storage Conditions:** None

### SECTION 8:

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with Limits of Values to be Supervised at the Workplace:**

CAS-No.	Name	Art	Value	Unit
[78-93-3]	ethyl methyl ketone	TRGS900	200	ml/m <sup>3</sup>
			or 600	mg/m <sup>3</sup>
[75-09-2]	dichloromethane	TRGS900	75	ml/m <sup>3</sup>
			or 260	mg/m <sup>3</sup>

**Pregnancy:** Group C

**Additional Information:** The lists valid during the making were used as basis.

**Personal Protective Equipment:** Change contaminated clothes. After finishing of work wash hands.

**General measures of Protection and Hygiene:** Do not eat, drink or smoke during handling; avoid contact with eyes or skin.

**Respiratory Protection:** Required when vapors/aerosols are generated.

**Protection of Hands:** Wear gloves.

**Eye Protection:** Glasses recommended.

continued...