DENTSPLY/International
DENTSPLY/Caulk
Safety Data Sheet **526155**

1. Identification

Product Name Caulk® Tray Adhesive	MSDS Code Number 526155
Trade Name & Synonyms Caulk® Tray Adhesive	Date of Last Revision 02/01/10
Manufacturer: DENTSPLY Caulk	Address 38 West Clarke Avenue Milford DE 19963-1805 http://www.caulk.com http://www.dentsply.com
Grades or Minor Variant Identities Not Applicable	Information Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Product Use (for Canada) Not Applicable	Emergency Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)

2. Hazard(s) Identification

Danger
Highly Flammable
Liquid and Vapour

WARNING
MAY CAUSE AN ALLERGIC SKIN REACTION

3. Composition/Information on Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Ethyl Acetate	141-78-6	400 ppm	< 60

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately flush with water for 15 minutes. Get medical attention.	Not Applicable	Not Applicable
Skin	Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.	Not Applicable	Not Applicable
Inhalation	Remove to fresh air. Get medical attention if effects persist. This may not be of concern when using clinically relevant quantities.	Not Applicable	Not Applicable
Ingestion	Get medical attention. Do not induce vomiting. This may not be of concern when using clinically relevant quantities.	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.			

5. Fire Fighting Measures

Flashpoint Method: -5°C (23°F) Pensky-Marten Closed Cup	Flammable (Explosive) Limits in Air LEL: 2.5 vol. % UEL: not determined	Autoignition Temperature: not determined	Other: Not Applicable
Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: 3	
Extinguishing Media: CO_2, extinguishing powder or water spray. Fight larger fires with dry chemical, foam, or water spray.		Extinguishing Media to Avoid: Water with full jet	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.			
Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.			

6. Accidental Release Measures

Containment Techniques: Wear protective clothing and absorb spill with inert material (e.g. vermiculite, sand, earth), then place material in suitable labeled plastic or metal container.		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and absorb spill with inert material (e.g. vermiculite, sand, earth), then place material in suitable labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.		
Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Reporting Requirements: Not Applicable

7. Handling and Storage

Handling Practices and Warnings: Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.
Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Protect from exposure to direct light. Store away from food and beverages.

8. Exposure Control / Personal Protection

Ventilation: None required during normal intended use of this product		
Engineering Controls: Not Applicable		
Individual Protection Measures	Personal Protective Equipment for Normal Use	Personal Protective Equipment for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Not required when using clinically relevant quantities used in Dental office.	Not Applicable
Body Protection	Protective work clothing	Not Applicable

9. Physical and Chemical Characteristics

Appearance: Viscous purple liquid with characteristic odor		Odor: Sweet solvent odor of ethyl acetate	
Normal Physical State: Liquid		Melting Point: Not Determined	Boiling Point: 63°C (145°F)
Specific Gravity: 1.02 @ 25 °C	Solubility in Water: Not determined	pH: Not Applicable due to anhydrous organic solvent.	
Vapor Pressure (mm Hg): 94 @ 25 °C	Vapor Density (AIR=1): 3.04	Evaporation Rate (Butyl Acetate =1): 9	
Other: Not Applicable			

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Oxidizing material can cause a reaction.	
Hazardous Products Produced During Decomposition: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.	
Hazardous Polymerization: ☐May Occur ☒May Not Occur	Conditions to Avoid: High Temperatures, ignition sources.
Stability? ☒Stable ☐Unstable	Conditions to Avoid: High Temperatures, ignition sources.

11.Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product may be a mild irritant to the skin and mucous membranes in susceptible persons. On the eye the product has an irritating effect.

Emergency Overview: Material is irritating to eyes, respiratory system and skin. Breathing vapors may cause drowsiness and dizziness.

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material can cause irritation.	Single	Moderate	Irritation and possible corneal damage	Yes
Skin	Material may be an irritant and may be absorbed through the skin.	Single & Repeated	Moderate	Irritation or possible allergic response. Severe allergic response may result in breathing difficulties.	Yes
Inhalation	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. This may not be of concern when using clinically relevant quantities.	Repeated	Moderate	Chronic inhalation may cause effects similar to those of acute inhalation. Causes respiratory tract irritation. May cause motor in coordination and speech abnormalities.	Yes
Ingestion	May cause irritation of the digestive tract. This may not be of concern when using clinically relevant quantities.	Single & Repeated	Mild	Not Applicable	No
Other Central nervous system	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Medical Conditions Aggravated by Exposure Open sores and wounds of the skin. Individuals with known sensitivity to methacrylates, acrylates, or urethane dimethacrylate resin used in Dental restorative products.
Carcinogenicity NTP?: Not listed IARC monographs?: Not listed OSHA regulated?: No. All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Potential Environmental Effects Do not allow to enter sewers/ surface or ground water.
NFPA Hazard Classification Ratings (Scale 0-4) Health =2, Fire =3, Reactivity=0 Specific Hazard = None

12.Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (Self-assessment): Not determined.

13.Disposal Considerations

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container. RCRA P-Series: None Listed, RCRA U-Series CAS#67-64-1: Waste Number U002 (Ignitable Waste)

14.Transport Information

Flammable Liquid

Regulated for Shipping: Yes	Proper Shipping Name: Ethyl Acetate Solution	Packing Group: II
Do Changes in Quantities, packaging, or shipment method change product classification? No	Hazard Class: 3	UN Identification Number: 1173

15.Regulatory Information

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.
Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. Federal Regulations: All chemical substances in this material are included on or exempted from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Hazard Symbol:
U.S. Federal Regulations: CERCLA 103 Reportable Quantity: CAS# 141-78-6: RQ is 5000 lb. final RQ; 2268 kg final RQ. Report spills required under federal, state and local regulations
SARA Code: CAS# 141-78-6 Ethyl Acetate: fire.
Section 312 Hazard Class: Acute: Yes, Chronic: Yes, Fire: Yes, Pressure: No, Reactive: No
Section 313 Toxic Chemicals: None This product does not contain any chemicals subject to Annual Release Reporting Requirements as per Section 313 of SARA Title III and 40 CFR Part 373.
Section 302 Extremely Hazardous Substances (TPQ): None
OSHA: OSHA does not consider CAS# 141-78-6 Ethyl Acetate highly hazardous.
RCRA P-Series: None Listed
RCRA U-Series Hazardous Waste Code for CAS# 141-78-6 Ethyl Acetate: U112
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
State CAS# 141-78-6 Ethyl Acetate can be found on the following state right to know lists: New Jersey, Pennsylvania, and Massachusetts. CAS# 68440-70-0 is on the following state right to know lists: New Jersey, and Pennsylvania.
U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.
WGK (Water Danger/Protection) CAS# 141-78-6 Ethyl Acetate
Canada – DSL/NDSL CAS# 141-78-6 Ethyl Acetate is listed on Canada's DSL List.
Canada – WHMIS This product has a WHMIS Classification of B2.
Canadian Ingredient Disclosure List: CAS# 141-78-6 Ethyl Acetate, is listed on the Canadian Ingredient Disclosure List.
International Regulations: Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.
European Community Labeling: in accordance with EC Directives: International Regulations: Hazard Symbol: Flammable XI F Risk Phrases: R11 Highly Flammable, R36 Irritating to Eyes, R66 Repeated exposure may cause dryness or cracking, R67 Vapors may cause drowsiness and dizziness. Safety Phrases: S9 Keep container in a well –ventilated place, S16 Keep away from sources of ignition – No Smoking, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S33 Take precautionary measures against static discharge.
European Inventory of New and Existing Chemicals Substances (EINECS): 205-500-4 Ethyl Acetate
Other: Not Applicable

16.Other Information

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship. The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.