

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

518003

1. Identification

Product Name Polyjel[®] NF[™] Tray Adhesive	MSDS Code Number 518003
Trade Name & Synonyms Polyjel[®] NF[™] Tray Adhesive	Date of Last Revision 12/14/15
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

Keep away from heat/sparks/open flames / hot surfaces.
No smoking.
Keep container tightly closed.
Wear protective gloves/eye protection/face protection.
Ground / Bond container and receiving equipment.
Use explosion-proof electrical lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
IF ON SKIN or Hair: Remove / take off immediately all contaminated clothing. Rinse skin with water / shower.
In case of fire: Use CO₂ sand or extinguishing powder.



WARNING

MAY CAUSE AN ALLERGIC SKIN REACTION
Avoid breathing vapors. Wear protective gloves.
Wash hands thoroughly after handling.
Wear protective gloves
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get Medical Advice/attention.
Take off contaminated clothing and wash before reuse.

3. Composition/Information on Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Ethyl Acetate	141-78-6	400 ppm	< 50
Heptane	142-82-5	400 ppm	< 35
Acetone	67-64-1	500 ppm	<15
Polychloroprene	Trade Secret	Not Established	<10
Phenol Resin	Trade Secret	Not Established	<10
Hydrotreated Light Naphtha (petroleum)	64742-49-0	50 ppm	< 5

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush eyes with large amounts of water. If symptoms persist get medical attention.	Not Applicable	Not Applicable
Skin	If on skin or hair: remove /take off immediately all contaminated clothing. Rinse skin and wash thoroughly with soap and water. Get medical attention if irritation or other ill effects develop or persist.	Not Applicable	Not Applicable
Inhalation	Remove person to fresh air. Get medical attention if symptoms develop.	Not Applicable	Not Applicable
Ingestion	Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.	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: -1°C (30°F) Pensky-Martens Closed Cup	Flammable (Explosive) Limits in Air LEL: not determined 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. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.			
Unusual Fire and Explosion Hazards: Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source 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 monoxide, carbon dioxide and irritating vapor or gases.			

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. Use with adequate ventilation. Avoid eye exposure. Avoid skin contact. Avoid breathing vapor, mist, or fumes. Do not take internally. Contents may be under pressure, open carefully. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.
Storage Practices and Warnings: Store in a well-ventilated place. Keep cool. Store only in the original package. Store out of direct sunlight. Keep package tightly sealed. Store away from food and beverages. Static electricity will accumulate and may ignite vapors. Keep container tightly closed.

8. Exposure Control / Personal Protection



Ventilation: None required during normal intended use of this product		
Other Engineering Controls: Local ventilation if large amounts are used.		
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 blue liquid.	Odor: Characteristic solvent odor.	
Normal Physical State: Liquid	Melting Point: Not Determined	Boiling Point: 63°C (145°F)
Specific Gravity: ~0.9 g/cm ³	Solubility in Water: Partially soluble	pH: Not Applicable
Vapor Pressure (mm Hg): 94 @ 25 °C	Vapor Density (AIR=1): 3.04	Evaporation Rate (Butyl Acetate =1): Approximately 1
Other: Not Applicable		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Heat, sparks and all sources of ignition.	
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 monoxide, carbon dioxide and irritating vapor or gases.	
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: High Temperatures, ignition sources.
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> 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. Flammable liquid and vapor.					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate,	Acute and Chronic Health Effect(s)	Target Organ(s)

Eye	Material can cause irritation. Redness, swelling, pain, tearing, and blurred or hazy vision.	Single & Repeated	Severe) Moderate	Eye Irritation	Yes
Skin	Material may be an irritant and may be absorbed through the skin. Localized redness, swelling itching and pain. These effects may not appear immediately after exposure.	Single & Repeated	Mild	Irritation, repeated exposure may cause defatting and drying of skin.	Yes
Inhalation	Vapor and/or mist may irritate nose and throat. Overexposure by inhalation may include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.	Repeated	Moderate	Overexposure by inhalation may injure the following organs: Lungs, liver kidneys, blood.	Lungs, liver kidneys, blood
Ingestion	May cause irritation of the digestive tract. Symptoms may include abdominal pain, nausea, diarrhea and vomiting.	Single & Repeated	Moderate	Repeated ingestion or swallowing large amounts may injure internally.	No
Other: Central Nervous System	Signs/Symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness and unconsciousness.	Repeated	Moderate	CNS Depression	CNS
Medical Conditions Aggravated by Exposure Open sores and wounds of the skin.					
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: 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 contents/container as solid waste in a closed container. Dispose of contents/container 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
IATA Shipping Name: Ethyl Acetate Solution	IATA Hazard Class: 3	UN Number: 1173
IATA Hazard Labels Required: Flammable Label		
IMDG Shipping Name: Ethyl Acetate Solution	IMDG Hazard Class: 3	UN Number: 1173
IMDG Hazard Labels Required: Yes, Flammable Label		

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.

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 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.