

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

**518002**

**1. Identification**

Product Name <b>POLYJEL® NF™ Catalyst Paste Elastic Polyether Impression Material</b>	MSDS Code Number 518002
Trade Name & Synonyms <b>POLYJEL® NF™ Catalyst Paste Elastic Polyether Impression Material</b>	Date of Last Revision 12/14/15
Manufacturer: DENTSPLY Caulk	Address 38 West Clarke Avenue Milford DE 19963-1805 <a href="http://www.caulk.com">http://www.caulk.com</a> <a href="http://www.dentsply.com">http://www.dentsply.com</a>
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**



**WARNING  
CAUSES SKIN IRRITATION**

**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	%
Sulfonium Salt	Proprietary	Not Established	< 40
Citric Ester	Proprietary	Not Established	< 40
Silane Treated Silica	68909-20-6	Not Established	< 25
Polyethylene-polypropylene Glycol	9003-11-6	Not Established	< 10
Diatomaceous Earth	68855-54-9	6 mg/M <sup>3</sup>	< 10

**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 wash with plenty of soap and water. If skin irritation occurs: get medical attention. Take off contaminated clothing and wash before reuse.	Not Applicable	Not Applicable
Inhalation	No first aid is anticipated.	Not Applicable	Not Applicable
Ingestion	No first aid is anticipated.	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: Not Applicable Flashpoint Method: Not Applicable	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: Not Applicable	
Extinguishing Media: Class B - CO <sub>2</sub> , or dry chemical extinguishing powder.		Extinguishing Media to Avoid: Water with full jet	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices. Water should be used to keep fire-exposed containers and surfaces cool.			
Unusual Fire and Explosion Hazards: Not Applicable.			

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. Scoop up spilled material and place in suitable labeled plastic or metal container.

Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing. Place material in suitable labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact 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. Keep container closed.

Storage Practices and Warnings: Store away from heat. Store only in the original package. Store out of direct sunlight. Keep package tightly sealed. Store away from food and beverages.

## 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: Yellow paste.

Odor: Slightly acid odor.

Normal Physical State: Solid (high viscosity paste).

Boiling Point: Not Determined

Flash Point: Not Applicable

Specific Gravity: ~ 1.1 – 1.4 g/cm<sup>3</sup>

Solubility in Water: Not soluble.

pH: Not Applicable.

Vapor Pressure (mm Hg): Not Determined

Vapor Density (AIR=1): Not Determined

Evaporation Rate (Butyl Acetate =1): Approximately 1

Other: Not Applicable

## 10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Excessive heat.

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:  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 may have an irritating effect.

Emergency Overview: Material is irritating to eyes, respiratory system and skin.

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. Signs and Symptoms may include redness, pain, and tearing.	Single	Mild	Eye Irritation	Yes
Skin	Contact with the skin during product use is not expected to result in significant irritation.	Single & Repeated	Mild	Irritation, reddening of the skin.	Yes
Inhalation	No adverse health effects are expected.	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	No adverse health effects are expected.	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Other: CNS	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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 = 1, Fire = 1, 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: Dispose of completely cured (or Polymerized) wastes in a sanitary landfill. 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 Not Regulated.

## 14. Transport Information

Regulated for Shipping: No	Proper Shipping Name: Not Regulated	Packing Group: Not Applicable
Do Changes in Quantities, packaging, or shipment method change product classification? No	Hazard Class: Not Applicable	UN Identification Number: Not Applicable

## 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: None Listed. Report spills required under federal, state and local regulations

SARA Code: None Listed.

Section 312 Hazard Class: Fire Hazard: No, Pressure Hazard: No, Reactivity Hazard: No, Acute (Immediate Hazard): Yes, Chronic (Delayed Hazard): No,

Section 313 Toxic Chemicals: None Listed. 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:

RCRA P-Series: None Listed.

RCRA U-Series Hazardous Waste Code: Not Listed.

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

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) Not Applicable

Canada – DSL/NDSL Not Applicable

Canada – WHMIS Not Applicable

Canadian Ingredient Disclosure List: No chemicals are on the Canadian Ingredient Disclosure List.

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): This product is a medical device and not subject to chemical notification requirements.

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.

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

**518001**

**1. Identification**

Product Name <b>POLYJEL® NF™ Base Paste Elastic Polyether Impression Material</b>	MSDS Code Number <b>518001</b>
Trade Name & Synonyms <b>POLYJEL® NF™ Base Paste Elastic Polyether Impression Material</b>	Date of Last Revision <b>12/14/15</b>
Manufacturer: <b>DENTSPLY Caulk</b>	Address <b>38 West Clarke Avenue Milford DE 19963-1805 <a href="http://www.caulk.com">http://www.caulk.com</a> <a href="http://www.dentsply.com">http://www.dentsply.com</a></b>
Grades or Minor Variant Identities <b>Not Applicable</b>	Information Telephone Number <b>(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)</b>
Product Use (for Canada) <b>Not Applicable</b>	Emergency Telephone Number <b>(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)</b>

**2. Hazard(s) Identification**



**WARNING**

**CAUSES SKIN IRRITATION**

**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	%
Polyether	Proprietary	Not Established	< 60
Diatomaceous Earth	68855-54-9	6 mg/M <sup>3</sup>	< 20
Fatty Acids Triglycerides	Proprietary	Not Established	< 20
Dibenzyl Toluene	Proprietary	Not Established	< 20

**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 wash with plenty of soap and water. If skin irritation occurs: get medical attention. Take off contaminated clothing and wash before reuse.	Not Applicable	Not Applicable
Inhalation	No first aid is anticipated.	Not Applicable	Not Applicable
Ingestion	No first aid is anticipated.	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: Not Applicable Flashpoint Method: Not Applicable	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: Not Applicable	
Extinguishing Media: Class B - CO <sub>2</sub> , or dry chemical extinguishing powder.		Extinguishing Media to Avoid: Water with full jet	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices. Water should be used to keep fire-exposed containers and surfaces cool.			
Unusual Fire and Explosion Hazards: Not Applicable.			
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. Scoop up spilled material and place in suitable labeled plastic or metal container.		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing. Place material in suitable labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact 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. Keep container closed.
Storage Practices and Warnings: Store away from heat. Store only in the original package. Store out of direct sunlight. Keep package tightly sealed. Store away from food and beverages.

## 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: Bluish-grey paste.	Odor: Characteristic odor.	
Normal Physical State: Solid (high viscosity paste).	Boiling Point: Not Determined	Flash Point: Not Applicable
Specific Gravity: ~ 1.0 – 1.2 g/cm <sup>2</sup>	Solubility in Water: Not soluble	pH: Not Applicable
Vapor Pressure (mm Hg): Not Determined	Vapor Density (AIR=1): Not Determined	Evaporation Rate (Butyl Acetate =1): Approximately 1
Other: Not Applicable		

## 10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Excessive heat.		
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.					
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. Signs and Symptoms may include redness, pain, and tearing.	Single	Mild	Eye Irritation	Yes
Skin	Contact with the skin during product use is not expected to result in significant irritation.	Single & Repeated	Mild	Irritation, reddening of the skin.	Yes
Inhalation	No adverse health effects are expected.	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	No adverse health effects are expected.	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Other: CNS	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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 = 1, Fire = 1, Reactivity= 0 Specific Hazard = None					

## 12. Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Not determined.
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## 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: Not Regulated.

### 14. Transport Information

Regulated for Shipping: No	Proper Shipping Name: Not Regulated	Packing Group: Not Applicable
Do Changes in Quantities, packaging, or shipment method change product classification? No	Hazard Class: Not Applicable	UN Identification Number: Not Applicable

### 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: None Listed. Report spills required under federal, state and local regulations
SARA Code: None Listed.
Section 312 Hazard Class: Fire Hazard: No, Pressure Hazard: No, Reactivity Hazard: No, Acute (Immediate Hazard): Yes, Chronic (Delayed Hazard): No,
Section 313 Toxic Chemicals: None Listed. 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:
RCRA P-Series: None Listed.
RCRA U-Series Hazardous Waste Code: Not Listed.
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
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) Not Applicable
Canada – DSL/NDSL Not Applicable
Canada – WHMIS Not Applicable
Canadian Ingredient Disclosure List: No chemicals are on the Canadian Ingredient Disclosure List.
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): This product is a medical device and not subject to chemical notification requirements.
Other: Not Applicable

### 16. Other Information

<p>To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex.</p> <p>All components are synthetically produced; none are derived from animal products.</p> <p>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.</p> <p>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.</p>
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