

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

546899

<b>1. Product and Company Identification</b>	
Product Name <b>CAULK® 50% Tooth CONDITIONER LIQUID CAULK® 34% Tooth CONDITIONER GEL</b>	MSDS Code Number <b>546899</b>
Trade Name & Synonyms <b>CAULK® 50% Tooth CONDITIONER LIQUID CAULK® 34% Tooth CONDITIONER GEL</b>	Date of Last Revision <b>04/16/07</b>
Chemical Name Not Applicable	Manufacturer <b>DENTSPLY/Caulk</b>
C.A.S. Number Not Applicable	Address <b>38 West Clarke Avenue Milford DE 19963-1805 http://www.caulk.com</b>
Grades or Minor Variant Identities <b>Bottles and Syringes</b>	Information Telephone Number <b>(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)</b>
Product Use (for Canada) Not Applicable	Emergency Telephone Number <b>(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)</b>

**2. Composition Of Ingredients – Tooth Conditioner Liquid**

Hazardous Components	C.A.S. Number	Exposure Limits	%
Phosphoric Acid	7664-38-2	1 mg/M <sup>3</sup>	50

**2. Composition Of Ingredients – Tooth Conditioner Gel**

Hazardous Components	C.A.S. Number	Exposure Limits	%
Phosphoric Acid	7664-38-2	1 mg/M <sup>3</sup>	34

Other Information: Blue colorant is a fluorescent organic dye.

**3. Hazard Identification**

Emergency Overview: Material is a corrosive.					
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 is corrosive and may cause irritation.	Single & Repeated	Severe	Irritation and possible corneal damage due to the corrosive nature of product.	Not Applicable
Skin	Material is corrosive and may cause irritation.	Single & Repeated	Moderate to severe depending on contact time.	Irritation due to the corrosive nature of the product.	Not Applicable
Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is corrosive and may cause irritation.	Not Applicable	Moderate	Irritation due to the corrosive nature of the product.	Not Applicable
Other	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 = 3, Fire = 0, Reactivity = 0 Specific Hazard = Corrosive / Acid		

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**4. First Aid Measures**

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. Consult a physician immediately.	Not Applicable	Not Applicable
Skin	Immediately wash with soap and water and rinse thoroughly.	Not Applicable	Not Applicable
Inhalation	Supply fresh air. If symptoms persist consult physician.	Not Applicable	Not Applicable
Ingestion	Drink plenty of water and provide fresh air. Do not induce vomiting. Consult a physician immediately.	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable

Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.

**5. Fire and Explosion Data**

Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air: LEL: Not Applicable UEL: Not Applicable	Autoignition Temperature: Not Applicable	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: Use extinguishing media suitable for surrounding area.		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: Formation of toxic gases is possible during heating or in case of fire.			

**6. Accidental Release Measures**

Containment Techniques: For Liquid: Absorb with liquid binding material (sand, vermiculite, diatomite, acid binders, universal binders or sawdust). For Gel, since material is a paste, scoop up bulk material and place in a suitable waste container.
Spill/Leak Clean-up Procedures and Equipment: Absorb with liquid binding material (sand, vermiculite, diatomite, acid binders, universal binders or sawdust). Scoop up bulk material and place in a suitable waste container.
Evacuation Procedures: Not Applicable      Special Instructions: Not Applicable      Reporting Requirements: Not Applicable

**7. Handling and Storage**

Handling Practices and Warnings: Product is intended for dental use only. 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. Store in a dry area. Store away from food and beverages.

**8. Exposure Control / Personal Protection**

Ventilation: None required during normal intended use of this product.	Other Engineering Controls: Not Applicable
Routes of Entry	Personal Protective Equipment (PPE) for Normal Use
Eye/Face	Safety Glasses
Skin	The glove material has to be impermeable and resistant to the product.
Inhalation	Not Required
Body Protection	Protective work clothing
General Hygiene Considerations and Work Practices: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin.	
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable	
Other Protective Measures and Equipment: Not Applicable	

**9. Physical and Chemical Characteristics**

Appearance: Liquid is clear. Gel is blue colored paste.	Odor: Acrid.
Normal Physical State: Liquid, Gel is a paste.	Melting Point: Not Applicable
Specific Gravity: 1.3 g/cm <sup>3</sup>	Solubility in Water: Not soluble
Vapor Pressure (mm Hg): Not Applicable	Vapor Density (AIR=1): Not Applicable
Other: Not Applicable	Evaporation Rate (Butyl Acetate =1): Not Applicable

**10. Stability and Reactivity Data**

Incompatibility (Materials to Avoid): Not Applicable	
Hazardous Products Produced During Decomposition: Not Applicable.	
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: None known
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: None known

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**11. Toxicological Information**

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data:  
Material is a corrosive acid and as such is irritating to skin and mucous membranes.

**12. Ecological Information**

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system. Toxic to fish. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

**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.

**14. Transport Information**

Regulated for Shipping: Yes	DOT Shipping Name: Phosphoric Acid Solution	Packing Group: II
Do Changes in Quantities, packaging, or shipment method change product classification? Yes	DOT Hazard Class: 8	UN Number: 1805

**15. Regulatory Information**

U.S. Federal Regulations: CERCLA 103 Reportable Quantity: CAS# 7664-38-2 Phosphoric Acid 5000 pounds (2268Kg) Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations  
Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None  
Section 302 Extremely Hazardous Substances (TPQ): None  
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.  
Canada WHMIS, Workplace Hazardous Materials Information System: This product is not a controlled product.  
International Regulations: Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.  
European Community Labeling: Not a dangerous preparation. These R and S phrases apply to base and catalyst: R36/38 Irritating to eyes and skin. R51/53 Toxic to aquatic organisms, may cause long-term effects in the environment. S26 Incase of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water. S37 Wear suitable gloves. S57 Use appropriate container to avoid environmental contamination. S60 This material and its container must be disposed of as hazardous waste. These R and S phrases apply to catalyst: R41 Risk of serious damage to eyes. R50/53 Very toxic to aquatic organisms, may cause long-term effects in the environment. S24 Avoid contact with skin.  
European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements. Phosphoric Acid is known as EINECS #: 231-633-2 and CAS# 7664-38-2.  
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.