

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

566401

1. Product and Company Identification	
Product Name Integrity[®] TempGrip[®] Temporary Crown & Bridge Cement	MSDS Code Number 566401
Trade Name & Synonyms Integrity[®] TempGrip[®] Temporary Crown & Bridge Cement Non-Eugenol Temporary Cement	Date of Last Revision 12/11/07
Chemical Name Zinc oxide based non-eugenol temporary cement	Manufacturer DENTSPLY/Caulk
C.A.S. Number Not Applicable	Address 38 West Clarke Avenue Milford DE 19963-1805 http://www.caulk.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. Composition Of Hazardous Ingredients			
Hazardous Components	C.A.S. Number	Exposure Limits	%
Polymerizable methacrylates	Not Established	Not Applicable	< 15

3. Hazard Identification					
Emergency Overview Material is slightly 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.	Single	Moderate	Irritation and possible corneal damage	Yes
Skin	Material may be an irritant and may be absorbed through the skin.	Single & Repeated	Mild	Irritation or possible allergic response.	Yes
Ingestion	May cause irritation of the digestive tract.	Single & Repeated	Mild	Not Applicable	No
Other Central nervous system	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes
Medical Conditions Aggravated by Exposure: Open sores and wounds of the skin. Individuals with known sensitivity to methacrylates, or acrylates 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 =1, Fire =0, Reactivity=0, Specific Hazard = None					

4. First Aid Measures			
Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately rinse with plenty of water and consult a physician.	Not Applicable	Not Applicable
Skin	Immediately wash with water and soap and rinse thoroughly.	Not Applicable	Not Applicable
Inhalation	Product is non-volatile.	Not Applicable	Not Applicable
Ingestion	Consult physician immediately	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Treat Symptomatically.			

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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: Dry chemical form, carbon dioxide, water.		Extinguishing Media to Avoid: Not Applicable	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: Not Applicable.			

6. Accidental Release Measures
Containment Techniques: Not Applicable
Spill/Leak Clean-up Procedures and Equipment: Take up dry and forward for disposal.
Environment Precautions: Do not allow to enter sewerage system.
Special Instructions: Not Applicable
Reporting Requirements: Not Applicable

7. Handling and Storage
Handling Practices and Warnings: This product should only be supplied or handled by dentists, dental technicians or upon their instructions.
Handling Procedures: Normal hygienic measures
Storage Practices and Warnings: Store at dry place at room temperature. 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	PPE 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 for normal volumes used in dental office.	Not Applicable
Body Protection	Protective work clothing	Not Applicable
General Hygiene Considerations and Work Practices: Normal hygienic measures.		
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable.		
Other Protective Measures and Equipment: Not Applicable.		

9. Physical and Chemical Characteristics		
Appearance: White yellowish paste.		Odor: odorless.
Normal Physical State: Solid paste.		Boiling Point: Not Applicable
Specific Gravity: 1.71 g/cm ³	Solubility in Water: Insoluble	PH: 5
Vapor Pressure (mm Hg): Not Applicable	Vapor Density (AIR=1): Not Applicable	Evaporation Rate (Butyl Acetate =1): Not Applicable
Other: Not Applicable		

10. Stability and Reactivity Data	
Incompatibility (Materials to Avoid): Strong oxidizing agents.	
Hazardous Products Produced During Decomposition: Unknown.	
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	
Acute toxicity:	LD ₅₀ (oral rat): >5000mg/kg (zinc oxide)
Primary irritation:	Not Established.
Skin:	Slight irritating on prolonged exposure.
Eye:	Irritating.
Inhalation:	Non-volatile.
Ingestion:	Not Established.
Sensitization of product:	Not observed.
Additional toxicological information:	During the long period of use as temporary cement no health-related diseases are reported.

12. Ecological Information
Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Do not dispose into drains or the environment.

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13. Disposal Considerations

Regulations: Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose must be made in accordance with federal, state and local regulations
Properties (Physical/Chemical) Affecting Disposal: Not Applicable

14. Transport Information

Regulated for Shipping: No, not classified as dangerous goods.	Proper Shipping Name: Not Applicable	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

U.S. Federal Regulations: <u>CERCLA 103 Reportable Quantity</u> : This product is not subject to CERCLA reporting requirements. 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.
International Regulations: Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.
International Regulations: Xi Irritating. R36/37/38 Irritating eyes, respiration, skin. S26 In case of contact with eyes, immediately rinse with plenty of water and consult a physician. S28 In case of contact with skin, immediately wash with water and soap and rinse thoroughly. Hazard Symbol: Not Applicable Safety Phrases: Not Applicable
European Community Labeling: Not a dangerous preparation.
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.
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