

### 1. Product and Company Identification

Product Name Non-Eugenol Temporary Cement	MSDS Code Number 566401
Trade Name & Synonyms INTEGRITY <sup>®</sup> TEMPGRIP <sup>™</sup> Temporary Cement	Date of Last Revision 08/15/06
Chemical Name Zinc oxide based non-eugenol temporary cement	Manufacturer DENTSPLY/Caulk
C.A.S. Number N. A.	Address 38 West Clarke Avenue Milford DE 19963-1805 <a href="http://www.caulk.com">http://www.caulk.com</a>
Grades or Minor Variant Identities N. A.	Information Telephone Number (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Product Use (for Canada) N. A.	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	N.E.	N.A.	< 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	N. A.	No
Other Central nervous system	N. A.	N. A.	N. A.	N. A.	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.	N. A.	N. A.
Skin	Immediately wash with water and soap and rins thoroughly.	N. A.	N. A.
Inhalation	Product is non-volatile.	N. A.	N. A.
Ingestion	Consult physician immediately	N. A.	N. A.
Other	N. A.	N. A.	N. A.
Note to Physicians (Treating, Testing and Monitoring): N. A.			

**5. Fire and Explosion Data**

Flashpoint Method: N. A.	Flammable (Explosive) Limits in Air LEL: N. A. UEL: N. A.	Autoignition Temperature: N. A.	Other: N. A.
Flame Propagation or Burning Rate (for Solids): N. A.	Properties Contributing to Fire Intensity: N. A.	Flammability Classification: N. A.	
Extinguishing Media: Dry chemical form, carbon dioxide, water		Extinguishing Media to Avoid: N. A.	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: N. E.			

**6. Accidental Release Measures**

Containment Techniques: N. A.
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: N. A.
Reporting Requirements: N. A.

**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: N. A.
Routes of Entry	Personal protective equipment (PPE) for normal use	PPE for Emergencies
Eye/Face	Safety glasses	N. A.
Skin	The glove material has to be impermeable and resistant to the product.	N. A.
Inhalation	Not required for normal volumes used in dental office.	N. A.
Body Protection	Protective work clothing	N. A.
General Hygiene Considerations and Work Practices: Normal hygienic measures		
Protective Measures During Repair and Maintenance of Contaminated Equipment: N. A.		
Other Protective Measures and Equipment: N. A.		

**9. Physical and Chemical Characteristics**

Appearance: White yellowish paste.	Odor: odorless.
Normal Physical State: Solid paste.	Boiling Point: N. A.
Specific Gravity: 1.71 g/cm <sup>3</sup>	Solubility in Water: Insoluble
Vapor Pressure (mm Hg): N. A.	Vapor Density (AIR=1) N. A.
Other: N. A.	Evaporation Rate (Butyl Acetate =1) N. A.
	PH: 5

**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 <sub>50</sub> (oral rat): >5000mg/kg (zinc oxide)
Primary irritation:	
Skin:	Slight irritating on prolonged exposure.
Eye:	Irritating.
Inhalation:	Non-volatile.
Ingestion:	N.E.
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: N. E.

**14. Transport Information**

Regulated for Shipping:

No, not classified as dangerous goods.

Proper Shipping Name: N. A.

Packing Group: N. A.

Do Changes in Quantities, packaging, or shipment method change product classification?

No.

Hazard Class:

N. A.

UN Identification Number:

N. A.

Other: N. A.

**15. Regulatory Information**

Federal Regulations: The product has been classified and marked in accordance with directions on hazardous materials.

Hazard Symbol: N. A.

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: N. A.

Safety Phrases: N. A.

**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.