



# SAFETY DATA SHEET

Date Issued: 01/19/2007  
 MSDS No: 111-001.3  
 Date-Revised: 05/06/2008  
 Revision No: 2

## OT Temporary Cement ZOE Base

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME:** OT Temporary Cement ZOE Base  
**PRODUCT DESCRIPTION:** Temporary luting and filling material  
**PRODUCT CODE:** SZ

#### MANUFACTURER

OraTech, LLC  
 475 West 10200 South  
 South Jordan UT 84095

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (NORTH AMERICA) :**(800) 424 - 9300  
**(INTERNATIONAL) :+1(703) 527 - 3887**

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Content
Zinc Oxide	001314-13-2	215-222-5	+N; R50/53	~ 62

( Full text of R-Phrases can be found under heading 16 )

### 3. HAZARDS IDENTIFICATION

#### HAZARD DESIGNATION

"N" - Dangerous for the environment

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.

**SKIN:** May cause skin irritation.

**INHALATION:** Harmful if inhaled.

### 4. FIRST AID MEASURES

**EYES:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or wastband. Get medical attention if symptoms appear.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**FIRE FIGHTING PROCEDURES:** General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

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### FIRE FIGHTING EQUIPMENT:

Water spray, fog, or mist, foam, dry chemical, carbon dioxide (CO<sub>2</sub>)

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Wipe up with cloth, soap, and water.

**LARGE SPILL:** Collect in tightly closed containers.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not allow to enter sewers or drains that may lead to waterways.

### 7. HANDLING AND STORAGE

**HANDLING:** Use suitable protective equipment.

**STORAGE:** Store in a cool dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear eye protection.

**SKIN:** S36/37: Wear suitable protective clothing and gloves.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Paste

**ODOR:** Oil

**APPEARANCE:** Creamy

**COLOR:** White

### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** May cause mild irritation.

**SKIN EFFECTS:** May cause slight irritation.

### 12. ECOLOGICAL INFORMATION

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## OT Temporary Cement ZOE Base

**ENVIRONMENTAL DATA:** R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in compliance with governmental regulation (EC 1975L0442-20/11/2003)

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL (ADR/RID)

**HAZARD CLASS:** No classification

#### AIR (ICAO/IATA)

**PRIMARY HAZARD CLASS/DIVISION:** No classification

#### VESSEL (IMO/IMDG)

**PRIMARY HAZARD CLASS/DIVISION:** No classification

### 15. REGULATORY INFORMATION

#### EUROPEAN COMMUNITY

##### EEC LABEL SYMBOL AND CLASSIFICATION



"N" - Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 16. OTHER INFORMATION

**RELEVANT R-PHRASES:**R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**PREPARED BY:** Iris McCallister

**REVISION SUMMARY:** Revision #: 2. This MSDS replaces the August 27, 2007 MSDS. Any changes in information are as follows: In Section 1: MSDS Product Code, MSDS Number

**MANUFACTURER DISCLAIMER: FOR DENTAL USE ONLY:** Use as directed. The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, OraTech Products, LLC, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

# SAFETY DATA SHEET



Date Issued: 01/19/2007  
MSDS No: 112-001.2  
Date-Revised: 05/06/2008  
Revision No: 1

## OT Temporary Cement ZOE Catalyst

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME:** OT Temporary Cement ZOE Catalyst  
**PRODUCT DESCRIPTION:** Temporary Luting/Filling Material  
**PRODUCT CODE:** SE

#### MANUFACTURER

OraTech, LLC  
475 West 10200 South  
South Jordan UT 84095

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (NORTH AMERICA) :**(800) 424 - 9300  
**(INTERNATIONAL) :**+1(703) 527 - 3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Content
Eugenol	000097-53-0	202-589-1	Xn, Xi; R22; R36/37/38; R43	25
Rosin	65997-05-9	500-163-2		~ 46

### 3. HAZARDS IDENTIFICATION

#### HAZARD DESIGNATION

"Xn" - Harmful  
R22: Harmful if swallowed.  
"Xi" - Irritant

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.  
**SKIN:** May cause skin irritation.  
**INGESTION:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.  
**INHALATION:** R37: Irritating to respiratory system.

### 4. FIRST AID MEASURES

**EYES:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

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## OT Temporary Cement ZOE Catalyst

### 5. FIRE FIGHTING MEASURES

**FIRE FIGHTING PROCEDURES:** General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

**FIRE FIGHTING EQUIPMENT:**

Water spray, fog, or mist, foam, dry chemical, carbon dioxide (CO<sub>2</sub>)

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Wipe up with cloth, soap, and water.

**LARGE SPILL:** Collect in tightly closed containers.

### 7. HANDLING AND STORAGE

**HANDLING:** Use suitable protective equipment.

**STORAGE:** Store in a cool dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear eye protection.

**SKIN:** S36/37: Wear suitable protective clothing and gloves.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity	Specific Volume
Eugenol	104	248	-9	Negligible	1	1.066

**PHYSICAL STATE:** Liquid

**ODOR:** Similar to Cloves

**APPEARANCE:** Medium viscosity

**COLOR:** Amber

### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**CONDITIONS TO AVOID:** Air

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## OT Temporary Cement ZOE Catalyst

**INCOMPATIBLE MATERIALS:** Strong oxidizers

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)
Eugenol	1930 mg/kg

**EYE EFFECTS:** May cause mild irritation.

**SKIN EFFECTS:** May cause slight irritation.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in compliance with governmental regulation (EC 1975L0442-20/11/2003)

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL (ADR/RID)

**NOTE:** Not regulated.

#### AIR (ICAO/IATA)

**NOTE:** Not regulated.

#### VESSEL (IMO/IMDG)

**NOTE:** Not regulated.

### 15. REGULATORY INFORMATION

#### EUROPEAN COMMUNITY

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## OT Temporary Cement ZOE Catalyst

### EEC LABEL SYMBOL AND CLASSIFICATION



"Xn" - Harmful  
R22: Harmful if swallowed.



"Xi" - Irritant  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

### 16. OTHER INFORMATION

**PREPARED BY:** Iris McCallister

**REVISION SUMMARY:** Revision #: 1. This MSDS replaces the MSDS. Any changes in information are as follows: In Section 1: MSDS Product Code, MSDS Number, CHEMTREC MSDS

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