

MATERIAL SAFETY DATA SHEET

TEMP-BOND ACCELERATOR

Temporary Cement

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone: 1-800-KERR-123
Emergency: Chemtrec 1-800-424-9300
Date Prepared: July 28, 2000

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
4-Allyl-2-Methoxyphenol (Eugenol, Oil of Cloves)	97-53-0	N/A	N/A	30

Other Ingredients

Carnauba wax, zinc acetate

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/E
Specific Gravity (H₂O = 1): >1.0
Vapor Pressure (mm Hg): N/A
Vapor Density (AIR = 1): N/A
Solubility in Water: Insoluble
Reactivity in Water: N/A
Appearance and Odor: Amber paste with a fatty acid odor.

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/D
Flammable Limits: LEL: N/A **UEL:** N/A
Extinguishing Media: Carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Excessive heat
Incompatibility (Material to Avoid): N/A
Hazardous Decomposition Products: N/A
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:

Skin: May be irritating to the skin. Repeated contact may cause allergic dermatitis.

Eyes: May be irritating to the eyes.

Inhalation: Prolonged exposure may cause drowsiness.

Ingestion: Consult physician.

Carcinogenicity -

NTP: No

IARC Monographs: No

OSHA Regulated Carcinogen: No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash with soap and water.

Eyes: Flush eyes with water for at least 15 minutes.

Inhalation: Remove to fresh air

Ingestion: Consult physician

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Wipe up with paper towels and dispose of in a suitable container.

Waste Disposal Method: Dispose of in accordance with federal, state and local regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place. Wash thoroughly after handling.

Other precautions: Use according to directions.

9 - CONTROL MEASURES

Respiratory Protection (Specify Type): Avoid breathing vapors.

VENTILATION:

Local Exhaust: N/A

Mechanical (General): Should be sufficient

Protective Gloves: Latex gloves to avoid skin contact recommended.

Eye Protection: Safety glasses

Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:

H1 F0 R0

[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;

2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

***Even though Eugenol is not a hazardous chemical regulated by OSHA under the Hazard Communication Standard, it is a known skin irritant, and should be handled accordingly.**

MATERIAL SAFETY DATA SHEET

TEMP-BOND BASE

Temporary Cement

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone: 1-800-KERR-123
Emergency: Chemtrec 1-800-424-9300
Date Prepared: July 28, 2000

2 - COMPOSITION INFORMATION

Hazardous Ingredients

This product contains no hazardous components as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Other Ingredients

Mineral oil, zinc oxide, cornstarch

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/E
Specific Gravity (H₂O = 1): >1.0
Vapor Pressure (mm Hg): N/A
Melting Point: N/A
Vapor Density (AIR = 1): N/A
Solubility in Water: Insoluble
Reactivity in Water: N/A
Appearance and Odor: Off-white, odorless paste

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/D
Flammable Limits: LEL: N/A **UEL:** N/A
Extinguishing Media: Carbon dioxide, foam, dry chemical.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Excessive heat
Incompatibility (Material to Avoid): N/A
Hazardous Decomposition Products: N/A
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:

Skin: May be irritating to the skin. Repeated contact may cause allergic dermatitis.

Eyes: May be irritating to the eyes.

Inhalation: Prolonged exposure may cause drowsiness.

Ingestion: Consult physician

Carcinogenicity - NTP: No

IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash with soap and water.

Eyes: Flush eyes with water for at least 15 minutes.

Inhalation: Remove to fresh air

Ingestion: Consult physician

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Wipe up with paper towels and dispose of in a suitable container.

Waste Disposal Method: Dispose of in accordance with federal, state and local regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place. Wash thoroughly after handling.

9 - CONTROL MEASURES

Respiratory Protection (Specify Type): Avoid breathing vapors.

VENTILATION:

Local Exhaust: N/A

Mechanical (General): Should be sufficient

Protective Gloves: Latex gloves to avoid skin contact recommended.

Eye Protection: Safety glasses

Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - SPECIAL INFORMATION

HMS (Hazardous Material Identification System) Rating:

H1 F0 R0

[HMS Index: 4 - Severe Hazard; 3 - Serious Hazard;

2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

Kerr Italia SpA

MATERIAL SAFETY DATA SHEET
 in accordance with communitary directive 91/155/EEC

Section I - Identification of Product and Company

Trade Product Name: Temp Bond Base	Issue/Revision Date: 02/98
--	-------------------------------

Company Name: Kerr Italia SpA	Emergency phone: +39 - 081 - 8508311
Company Address: Via Passanti 332 - 84018 Scafati (SA) - Italy	Information phone: +39 - 081 - 8508311

Section II - Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	%	SYMBOL	R	CAS N.
None	N/A	N/A	N/A	N/A

Section III - Hazards Identification

HAZARD CLASSIFICATION	None
-----------------------	------

Section IV - First Aid Measures

Treatment for eye contact: Wash with water for at least 15 minutes.
Treatment for skin contact: Wash with water and soap.
Treatment for inhalation (breathing): This product is considered safe if used according to directions.
Treatment for ingestion (swallowing): This product is considered safe if used according to directions.

Section V - Firefighting Measures

Suitable extinguishing media: Not Applicable.
Forbidden extinguishing media Not Applicable.
Special firefighting measures: None.
Unusual fire and explosion hazards: None.
Special protection equipment: Not Applicable.

Section VI - Accidental Release Measures

Personal Precautions: Use precautions listed in Section VIII.
Environmental Precautions: Not available.
Reclaiming Methods: Absorb spill with paper towels and transfer into suitable containers.

Section VII - Handling and Storage

Handling Precautions: Use precautions listed in Section VIII.
Precautions in case of for Fire and Explosion: Not Applicable.
Storage Conditions: Store at room temperature (10-25°C).
Suggested container(s): The original container provided by the manufacturer.
Indication for Combined Storage: Not available.
Other Precautions: Use according to directions. Do not invert caps on tubes as this will cause hardening of material in the tubes.

Section VIII - Exposure controls/personal protection

Precautionary Measures	<u>Ventilation</u> Local Exhaust Ventilation: Not necessary. Special Ventilation: None. Mechanical (General) Ventilation None. Other Ventilation: None.
Limits	TWA: Not Applicable; TLV: Not Applicable
Respiratory Protection	Not needed.
Hands Protection	Use of disposable vinyl gloves is optional.
Eyes Protection	Protective glasses optional.
Skin Protection	Handle in accordance with good personal hygiene practices. Avoid unnecessary exposure.
Other Protective Equipments:	Not applicable.

Section IX - Physical and Chemical Properties

Boiling Point: Not established. Vapor Pressure: >1.	Melting Point: Not Applicable. Specific Gravity: >1 g/ml	
Evaporation Rate (n-butane=1): Not Applicable.	Vapor Density (air=1): Not Applicable.	
Solubility in Water: Insoluble.		
Appearance and Odor (Physical Form): Odorless, white paste.		
Flash Point: N/A	Upper explosivity limit: N/A	Lower explosivity limit: N/A

Section X - Stability and Reactivity

Stability: Stable.
Conditions to Avoid: Unknown.
Incompatibility (Materials to Avoid): Not Applicable.
Hazardous Decomposition Products: Unknown.
Hazardous Polymerization Products: None.

Section XI - Toxicological Information

Carcinogenicity/Teratogenicity: No
<u>Effects and Hazards of Overexposure (Acute and Chronic)</u>
Effects and hazards of eye contact: This product is considered safe if used according to directions.
Effects and hazards of skin contact: This product is considered safe if used according to directions.
Effects and hazards of Inhalation (Breathing): This product is considered safe if used according to directions.
Effects and hazards of Ingestion (Swallowing): This product is considered safe if used according to directions.
Effects for prolonged Exposure: This product is considered safe if used according to directions.

Section XII - Ecological Information

There is no specific information on the product. Use according to good working practices, avoiding release of the product into environment.

Section XIII - Disposal Considerations

Dispose of in accordance to the local regulations.
--

Section XIV - Transport Information

SEA TRANSPORTATION									
IMCO Number	Not applicable.								
UN Number	Not applicable.								
Substance(s) determining hazard	None.								
AIR TRANSPORTATION									
ICAO/IATA Class	Not applicable.								
Substance(s) determining hazard	None.								
TRANSPORTATION BY ROAD/RAILWAY									
<u>RID/ADR</u> <u>Class</u>	N/A	Item Number	N/A	Hazard Identification Number	N/A	Substance Identification Number	N/A	<u>Hazard</u> <u>Label</u>	N/A

Section XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES	
HAZARD IDENTIFICATION SYMBOL	None
R Sentences	
None	
S Sentences	
None	
Ingredients determining the label	None

Section XVI - Other Information

None

CAUTION: PRODUCT FOR PROFESSIONAL USE

The information on this Safety Sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this Sheet or the use of this product together with any other process/procedure will be exclusively under the user's responsibility.