

Kerr Italia SpA

MATERIAL SAFETY DATA SHEET

in accordance with communitary directive 2001/58/EC

Section I - Identification of Product and Company

Trade Product Name: Temphase Base Paste	Preparation/Revision Date: 12/03
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Company Name: Kerr Corporation	Emergency phone: (+41)-91-61.00.639
Company Address: 1717 W.Collins Avenue Orange CA 92867 U.S.A.	Information phone: 00-800-41-050-505

Section II - Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	%	SYMBOL	R	CAS N.	EINECS N.
Uncured Methacrylate Ester Monomers	50-60	Xn	22-36/37/38	N/A	N/A
Dibutyl Phthalate	10-15	T;N	61-50-62	84-74-2	201-557-4

Section III - Hazards Identification

HAZARD CLASSIFICATION	Toxic for reproduction (Cat. 2 and 3); Harmful if swallowed; Irritant
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Section IV - First Aid Measures

Treatment for eye contact: Flush with water for 15 minutes. Contact physician.
Treatment for skin contact: Wash with soap and water.
Treatment for inhalation (breathing): Remove to fresh air. If irritation persists, contact physician.
Treatment for ingestion (swallowing): Contact physician.

Section V - Firefighting Measures

Suitable extinguishing media: Chemical foam, CO₂, dry chemical.
Forbidden extinguishing media: Unknown.
Special firefighting measures: None. Wear self contained breathing apparatus
Unusual fire and explosion hazards: Heat can cause polymerization with rapid release of energy.
Special protection equipment: Sealed overall against liquids and gases.

Section VI - Accidental Release Measures

Personal Precautions: Adopt same precautions of section VIII.
Environmental Precautions: Keep spilled material out of sewers.
Reclaiming Methods: Absorb spills with inert material - keep spilled material out of sewers.

Section VII - Handling and Storage

Handling Precautions: Keep away from sources of ignition.
Precautions in case of Fire and Explosion: Not determined.
Storage Conditions: Store in a cool, dry place away from heat, light and ignition sources.
Suggested container(s): The original containers provided by manufacturer.
Indication for Combined Storage: Avoid the contact with oxidizing agents and peroxides.
Other Precautions: Use according to directions.

Section VIII - Exposure controls/personal protection

Precautionary Measures	<u>Ventilation</u> Local Exhaust Ventilation: Adequate ventilation to maintain PEL. Special Ventilation: None required. Mechanical (General) Ventilation: Should be sufficient. Other Ventilation: None required.
Limits	TWA: Not determined; PEL: Not determined
Respiratory Protection	Use in a well ventilated area. Avoid to breath vapors of uncured material.
Hands Protection	Wear impervious gloves to avoid contact with uncured material.
Eyes Protection	Safety glasses or goggles.
Skin Protection	Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure to uncured material.
Other Protective Equipments:	It would be better use a lab coat.

Section IX - Physical and Chemical Properties

Boiling Point: Not determined (N/D) Vapor Pressure: N/D	Melting Point: N/D Specific Gravity: 1.5g/ml
Evaporation Rate (n-butane=1): N/D	Vapor Density (air=1): N/D
Solubility in Water: Insoluble	
Appearance and Odor (Physical Form): Colored paste with fruity ester-like odor.	
Flash Point: N/D	Upper explosivity limit: N/D
	Lower explosivity limit: N/D

Section X - Stability and Reactivity

Stability: Stable if stored as directed.
Conditions to Avoid: Heat, light, aging and contamination.
Incompatibility (Materials to Avoid): Oxidizing agents and peroxides.
Hazardous Decomposition Products: Oxides of Carbon.
Hazardous Polymerization Products: Will not occur when using clinical amounts of this material.

Section XI - Toxicological Information

Carcinogenicity/Teratogenicity: See effects for prolonged exposure in this section.
<u>Effects and Hazards of Overexposure (Acute and Chronic)</u>
Effects and hazards of eye contact: May cause irritation and damage if not removed promptly.
Effects and hazards of skin contact: Prolonged or repeated exposure to uncured material may cause irritation or skin rash especially in sensitive individuals.
Effects and hazards of Inhalation (Breathing): Prolonged or excessive inhalation may cause respiratory tract irritation.
Effects and hazards of Ingestion (Swallowing): Uncured material may be harmful or fatal if swallowed.
Effects for prolonged Exposure: The dibutyl phtalate contained in this product has been proved to cause reduced fertility and possibility of damages in unborn children.

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. The dibutyl phtalate contained in this product has been proved to be toxic for aquatic organisms and may cause long term adverse effects on aquatic environment.
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Section XIII - Disposal Considerations

Unpolymerized (uncured) material may be hazardous waste. Incinerate uncured material and dispose in accordance with local regulations.
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Section XIV - Transport Information

SEA TRANSPORTATION				
IMCO Number				
UN Number		2811		
Substance(s) determining hazard		Dibutyl Phtalate (DBP)		
AIR TRANSPORTATION				
ICAO/IATA Class		6.1		
Substance(s) determining hazard		Dibutyl Phtalate (DBP)		
TRANSPORTATION BY ROAD/RAILWAY				
<u>RID/ADR</u> 6.1 <u>Class</u>	Item 25° b), Number c)	Hazard Identification 60 Number	Substance 2811 Identification Number	<u>Hazard</u> 6.1 <u>Label</u>

Section XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EC DIRECTIVES	
HAZARD IDENTIFICATION SYMBOL	T (for reproduction, cat. 2, 3); Xn
R Sentences	
61	May cause harm to the unborn child
22	Harmful if swallowed
36/37/38	Irritating to eyes, respiratory system and skin.
62	Possible risk of impaired fertility
S Sentences	
36	Wear suitable protective clothing.
53	Avoid exposure – see instructions before use
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
61	Avoid release to the environment. Refer to special instructions/safety data sheets.
7	Keep container tightly closed.
16	Keep away from sources of ignition – No smoking.
Ingredients determining the label	Dibutyl Phthalate

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.