

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: Optibond FL Adhesive Resin	Preparation/Revision Date: 09/03
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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	20-35	Xn	22-36/37/38	N/A	N/A

Section III - Hazards Identification

HAZARD CLASSIFICATION	Harmful if swallowed
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Section IV - First Aid Measures

Treatment for eye contact: Flush with water for 15 minutes including under eyelids.
Treatment for skin contact: Wash thoroughly with soap and water.
Treatment for inhalation (breathing): Remove to fresh air - get medical attention if discomfort persists.
Treatment for ingestion (swallowing): Rinse mouth out with water - do not induce vomiting. Seek medical attention.

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.

Material Safety Data Sheet for: **Optibond FL Adhesive Resin**

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 reducing and oxidizing agents, peroxides and amines.
Other Precautions: Use according to directions.

Section VIII - Exposure controls/personal protection

Precautionary Measures	<p style="text-align: center;"><u>Ventilation</u></p> <p>Local Exhaust Ventilation: Good general ventilation should be sufficient to control airborne levels of vapors released by uncured material.</p> <p>Special Ventilation: None required.</p> <p>Mechanical (General) Ventilation: Good general ventilation recommended.</p> <p>Other Ventilation: None required.</p>
Limits	TWA: Not determined; PEL: Not determined
Respiratory Protection	Avoid prolonged or excessive breathing of vapors of uncured material.
Hands Protection	Impervious rubber gloves recommended when contacting uncured material.
Eyes Protection	Safety glasses.
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	Melting Point: Not determined	
Vapor Pressure: Not determined	Specific Gravity: 1.1g/ml	
Evaporation Rate (n-butane= 1): Not determined	Vapor Density (air= 1): Not determined	
Solubility in Water: Insoluble		
Appearance and Odor (Physical Form): Light yellow liquid with fruity ester-like odor.		
Flash Point: Not determined	Upper explosivity limit: Not determined	Lower explosivity limit: Not determined

Section X - Stability and Reactivity

Stability: Stable if stored as directed.
Conditions to Avoid: Heat, light, aging and contamination.
Incompatibility (Materials to Avoid): Reducing and oxidizing agents, peroxides and amines.
Hazardous Decomposition Products: Oxides of Carbon.
Hazardous Polymerization Products: May occur.

Section XI - Toxicological Information

Carcinogenicity/Teratogenicity: No.
<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: Not applicable.

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

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		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> Class	N/A	Item Number	N/A	Hazard Identification Number	N/A	Substance Identification Number	N/A	<u>Hazard</u> Label	N/A

Section XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EC DIRECTIVES	
HAZARD IDENTIFICATION SYMBOL	Xn
R Sentences	
22	Harmful if swallowed
36/37/38	Irritating to eyes, respiratory system and skin.
S Sentences	
36	Wear suitable protective clothing.
Ingredients determining the label	Uncured Methacrylate Ester Monomers

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.