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 Prime**	Preparation/Revision Date: 09/03

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.
Ethyl Alcohol	22	F	11	64-17-5	200-578-6

Section III - Hazards Identification

HAZARD CLASSIFICATION	Highly flammable

Section IV - First Aid Measures

Treatment for eye contact: **Flush with water for at least 15 minutes.**

Treatment for skin contact: **Wash thoroughly with soap and water. Use hand cream.**

Treatment for inhalation (breathing): **Move to fresh air.**

Treatment for ingestion (swallowing): **Do not give liquids if person is unconscious. Contact a physician**

Section V - Firefighting Measures

Suitable extinguishing media: **Carbon dioxide, dry chemical, water spray.**
Forbidden extinguishing media: **Not determined.**
Special firefighting measures: **None.**
Unusual fire and explosion hazards: **None.**
Special protection equipment: **Sealed overall.**

Section VI - Accidental Release Measures

Personal Precautions: **Follow recommended precautions listed in other sections.**
Environmental Precautions: **Material should not be allowed to drain to sewers.**
Reclaiming Methods: **Dilute with water, wipe with cloth and transfer to suitable container for disposal. Incinerate liquid in proper equipment.**

Section VII - Handling and Storage

Handling Precautions: **Keep away from ignition sources.**
Precautions in case of Fire and Explosion: **Extinguish all ignition sources.**
Storage Conditions: **Store in a cool, dry place.**
Suggested container(s): **The original containers provided by manufacturer.**
Indication for Combined Storage: **Avoid contact with oxidizing agent.**
Other Precautions: **Material should not be allowed to drain to sewers. Use according to directions**

Section VIII - Exposure controls/personal protection

Precautionary Measures	Ventilation Local Exhaust Ventilation: **Recommended to keep exposure under threshold hazard limits.** Special Ventilation: **None.** Mechanical (General) Ventilation: **Not applicable.** Other Ventilation: **Not applicable.**
Limits	TWA: **1,000 ppm;** PEL: **1,000 ppm**
Respiratory Protection	**Not needed.**
Hands Protection	**Latex gloves recommended.**
Eyes Protection	**Safety glasses with side shields.**
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 established** Vapor Pressure: **Not established**		Melting Point: **Not applicable** Specific Gravity: **0.96g/ml**
Evaporation Rate (n-butane = 1): **Not established**		Vapor Density (air = 1): **Not established**
Solubility in Water: **Soluble**		
Appearance and Odor (Physical Form): **Pale yellow liquid with a fruity odor.**		
Flash Point: **64°F (18°C)**	Upper explosivity limit: **Not established**	Lower explosivity limit: **Not established**

Section X - Stability and Reactivity

Stability: **Stable.**
Conditions to Avoid: **Heat, sparks, open flame..**
Incompatibility (Materials to Avoid): **Strong oxidizing agents.**
Hazardous Decomposition Products: **Carbon monoxide, carbon dioxide.**
Hazardous Polymerization Products: **Will not occur.**

Section XI - Toxicological Information

Carcinogenicity/Teratogenicity: **No.**

Effects and Hazards of Overexposure (Acute and Chronic)

Effects and hazards of eye contact: **May cause a mild irritation.**

Effects and hazards of skin contact: **May cause a mild irritation.**

Effects and hazards of Inhalation (Breathing): **May cause irritation of the throat.**

Effects and hazards of Ingestion (Swallowing): **May be poisonous by ingestion.**

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.

Environmental effects for Ethyl alcohol:
Aquatic toxicity: LC50 > 10000 mg/l (fish)

Section XIII - Disposal Considerations

Extinguish all ignition sources. May be absorbed with suitable material and transferred in container for disposal.

Section XIV - Transport Information

SEA TRANSPORTATION				
IMCO Number	3074			
UN Number	1170			
Substance(s) determining hazard	Ethyl Alcohol			
AIR TRANSPORTATION				
ICAO/IATA Class	3			
Substance(s) determining hazard	Ethyl Alcohol			
TRANSPORTATION BY ROAD/RAILWAY				
RID/ADR Class 3	Item Numbe 3° b	Hazard Identification Number 33	Substance Identification Number 1170	Hazard Label 3

	r			

Section XV - Regulatory Information

CLASSIFICATION IN ACCORDANCE WITH EC DIRECTIVES	
HAZARD IDENTIFICATION SYMBOL	**F**
R *Sentences*	
11	Highly flammable
S *Sentences*	
7	Keep container tightly closed
16	Keep away from sources of ignition - No smoking
Ingredients determining the label	Ethyl Alcohol

Section XVI - Other Information

Ethyl Alcohol	LC_{50} (inhalation mouse/4hrs)	$39g/m^3$
	LC_{50} (inhalation rat/10hrs)	20000ppm
	LD_{Lo} (intraperitoneal dog)	3000mg/Kg
	LD_{50} (intraperitoneal guinea pig)	3414mg/Kg
	LD_{50} (intraperitoneal hamster)	5068mg/Kg
	LD_{50} (intraperitoneal mammal)	4300mg/Kg
	LD_{50} (intraperitoneal mouse)	933mg/Kg
	LD_{50} (intraperitoneal rat)	3750mg/Kg
	LD_{50} (intraperitoneal rabbit)	963mg/Kg
	LD_{Lo} (intravenous cat)	3945mg/Kg
	LD_{Lo} (intravenous chicken)	8216mg/Kg
	LD_{Lo} (intravenous dog)	1600mg/Kg
	LD_{50} (intravenous mouse)	1973mg/Kg
	LD_{50} (intravenous rat)	1440mg/Kg
	LD_{50} (intravenous rabbit)	2374mg/Kg
	LD_{Lo} (oral cat)	6000mg/Kg
	LD_{Lo} (oral child)	2000mg/Kg
	LD_{Lo} (oral dog)	5500mg/Kg
	LD_{50} (oral guinea pig)	5560mg/Kg
	LD_{Lo} (oral human)	1400mg/Kg
	TD_{Lo} (oral man)	700mg/Kg
	TD_{Lo} (oral man)	50mg/Kg
	TD_{Lo} (oral man)	1430mg/Kg
	LD_{50} (oral mouse)	7500mg/Kg
	LD_{50} (oral rat)	7060 mg/Kg
	LD_{50} (oral rabbit)	6300mg/Kg
	TD_{Lo} (oral woman)	6300mg/Kg
	LD_{Lo} (subcutaneous chicken)	5g/Kg
	LD_{Lo} (subcutaneous dog)	6000mg/Kg
	LD_{Lo} (subcutaneous frog)	7100mg/Kg
	LD_{Lo} (subcutaneous infant)	19440mg/Kg
	LD_{Lo} (subcutaneous mouse)	4g/Kg
	LD_{Lo} (subcutaneous pigeon)	5g/Kg
	LD_{Lo} (skin rabbit)	20g/Kg

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.