

MATERIAL SAFETY DATA SHEET

OPTIBOND ALL-IN-ONE

Self Etching Adhesive

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone: 1-800-KERR-123
24-Hour Emergency: Chemtrec 1-800-424-9300
Date Prepared: May 24, 2006
Date Revised: October 1, 2007

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u> *	<u>TLV</u> *	<u>%</u>
Acetone	67-64-1	750ppm	500ppm	35-45
Ethyl Alcohol	64-17-5	1000ppm	1000ppm	4-9
Uncured Methacrylate Ester Monomers	109-16-0	N/A	N/A	33-43

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Other Ingredients

Inert mineral fillers, Ytterbium Fluoride, photoinitiators, accelerators, stabilizers and water

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/D
Specific Gravity (H₂O = 1): N/D
Vapor Pressure (mm Hg): N/D
Vapor Density (AIR = 1): N/D
Solubility in Water: Insoluble
Appearance and Odor: Slightly viscous liquid with yellowish tint and a fruity/ketone odor

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): <55 °F
Flammable Limits: LEL: N/E **UEL:** N/E
Extinguishing Media: CO₂, dry chemical, alcohol foam
Special Fire Fighting Procedures: Move container away from fire, if possible and without risk. Wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: May be dangerous when exposed to heat or open flame

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heat, sparks and open flame
Incompatibility (Material to Avoid): Strong oxidizing agents
Hazardous Decomposition Byproducts: Oxides of carbon
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: May cause skin irritation
Eyes: May cause severe irritation
Inhalation: May cause irritation of the throat and nose. May cause headache, dizziness and drowsiness
Ingestion: May cause irritation, headache, dizziness and drowsiness
Carcinogenicity - NTP: No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

Eyes: Flush thoroughly with water for 15 minutes. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If irritation persists, seek medical attention.

Ingestion: Do not give liquids if person is unconscious. Seek medical attention.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Eliminate all ignition sources, absorb spills with inert material and transfer to a suitable container for disposal.

Waste Disposal Method: Material should not be allowed to drain to sewers. Dispose of in accordance with federal, state and local regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place away from heat and ignition sources.

9 - CONTROL MEASURES

Respiratory Protection: Recommended

VENTILATION:

Local Exhaust: Recommended to keep exposure below limits

Mechanical (General): Usually sufficient

Protective Gloves: Impervious gloves recommended

Eye Protection: Safety glasses with side shield or face shield

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

10 - TRANSPORTATION INFORMATION

Regulated: DOT, IATA and IMO
Proper Shipping Name: Acetone
Hazard Class: 3
Identification Number: UN 1090
Packing Group: II
Label: Flammable Liquid
Note: See 49CFR173.4 and 49CFR173.150

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:

H2 F4 R0

[HMIS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard;
2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this MSDS is, to the best of our knowledge, believed to be accurate.