

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

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	CAS #	PEL*	TLV*	%
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

*TWA

Other Ingredients

Inert mineral fillers, 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]