

MATERIAL SAFETY DATA SHEET

FLOUROBOND LIGHT CURE ADHESIVE

1 - IDENTIFICATION

Manufacturer: Ormco Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867
Telephone: 1-800-854-1741
24-Hour Emergency: Chemtec 1-800-424-9300
Date Prepared: September 20, 2001

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Uncured Methacrylate Ester Monomers	N/A	N/A	N/A	20-35

Other Ingredients

Inert mineral fillers, fumed silica, activators and preservatives

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/D
Specific Gravity (H₂O = 1): 1.16
Vapor Pressure (mm Hg): N/D
Vapor Density (AIR = 1): N/D
Freezing/Melting Point: N/D
Solubility in Water: Insoluble
Appearance and Odor: Colored paste with fruity ester-like odor

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/D
Flammable Limits: LEL: N/D **UEL:** N/D
Extinguishing Media: Chemical foam, CO₂ or dry chemical
Special Fire Fighting Procedures: Wear a self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Heat can cause polymerization with rapid release of energy

5 - REACTIVITY DATA

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

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: Prolonged or repeated exposure to uncured material may cause irritation or skin rash especially in sensitive individuals.
Eyes: May cause irritation and damage if not removed promptly.
Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion: Uncured material may be harmful or fatal if swallowed.
Carcinogenicity - **NTP:** No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash thoroughly with soap and water.
Eyes: Flush with water for 15 minutes including under eyelids.
Inhalation: Remove to fresh air. Get medical attention if discomfort persists.
Ingestion: Rinse mouth out with water. Do not induce vomiting. Seek medical attention.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Absorb spills with inert material. Keep spilled material out of sewers.
Waste Disposal Method: Unpolymerized material may be RCRA hazardous waste. Incinerate uncured material in accordance with all federal, state and local regulations.
Precautions to be taken in handling and storing: Store in a cool, dry place away from heat, light and ignition sources.

9 - CONTROL MEASURES

Respiratory Protection: Avoid prolonged or excessive breathing of vapors of uncured material.
VENTILATION:
Local Exhaust: Good general ventilation should be sufficient to control airborne levels of vapors released by uncured material.
Mechanical (General): Good general ventilation recommended.
Protective Gloves: Impervious rubber gloves recommended when contacting uncured material.
Eye Protection: Safety glasses recommended.
Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure to uncured material.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - SPECIAL INFORMATION

HMS (Hazardous Material Identification System) Rating:
H2 F1 R2 PPE – Gloves and safety glasses.
[HMS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard; 2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]

Note: Hazard information contained on this MSDS form relates only to material in its uncured state. Thorough biocompatibility and toxicity testing of the cured material and its extracts have demonstrated that the material is non-toxic.