



MATERIAL SAFETY DATA SHEET
Ultraviolet Adhesive

For information or emergency: Telephone +91 22 4264 2328
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I. COMPANY & PRODUCT INFORMATION

Contact Information:

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TRADE NAME: KEY BOND
SYNONYMS: K-BOND
PRODUCT USE: Ultraviolet Cure Adhesive

II. COMPOSITION ON INGREDIENTS

Hazardous components

Hazardous components	%	ACGIH TLV	OSHA PEL
High boiling methacrylate	12-30	NA	NA
Polyurethane methacrylate resin	25-60	NA	NA
Hydroxyalkyl methacrylate	10-35	NA	NA
Acrylic acid	1-7	3 ppm TWA (skin)	11 ppm TWA; 30mg/m ³
Photoinitiator	1-7	NA	NA

III. HAZARDOUS COMPONENTS

Hazardous Ratings

0 – Minimal 1 – Slight
2 – Moderate 3 – Serious
4 - Extreme

Health	1
Flammability	0



Reactivity 1

Warnings

- 1) Can be harmful if swallowed
- 2) Can possibly irritate the skin & eyes
- 3) Always wear protective Gloves

IV. PHYSICAL & CHEMICAL DATA

Boiling Point	Greater than 100°C
Freezing Point	Below -20°C
Odor	Irritating
Soluble in water	Slightly Soluble
Appearance	Optically Clear
Specific Gravity @ 25°C	1.069
Physical State	Liquid
pH	Slightly Acidic
Evaporation Rate	NA
Vapor Density	NA

V. FIRST AID MEASURES

Eye Contact	If the material gets in the eyes, immediately wash the eyes with copious amounts of water, Preferably lukewarm water, occasionally lifting the lower and upper eyelids. Continue for 15 minutes. Get medical attention immediately.
Inhalation	Remove to fresh air. Get medical attention if symptoms persist.
Ingestion	Do not try to vomit. Keep calm & obtain medical attention.
Skin Contact	Wash with water & soap. Discard or wash contaminated clothing before reuse. Get medical attention if symptoms persist.

VI. ACCIDENTAL MEASURES

- 1) Let fresh air to ventilate the area.
- 2) To clean soak up with inert absorbent.
- 3) Store the spilled liquid in a closed container until disposed.



VII. FIRE SAFETY MEASURES

Flash Point	>100°C
Flammable/Explosive limits-lower %	NA
Flammable/Explosive limits-Upper %	NA
Auto ignition temperature	NA
Extinguishing media	Dry powder. Foam. Carbon dioxide

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin	Use gloves and protective clothing to prevent skin contact. Use rubber gloves
Eye/Face	Safety glasses with side shields
Respiratory	Use respirator if using for long time

IX. HANDLING & STORAGE

Handling	Avoid contact with eyes, skin & clothing. Avoid breathing vapor.
Storage	Store at below 38°C. Keep in a cool, well ventilated area. Keep it away from open flame and sparks. Keep the container tightly closed while stored.

X. STABILITY & REACTIVITY

Stability	Stable
Hazardous polymerization	Will not occur
Hazardous decomposition products	Irritating organic vapors
Conditions to avoid	see point no. IX for more details
Incompatibility	Strong oxidizers



XI. TOXIC INFORMATION

Product Toxicity Data

Acute inhalation effect – tcl not determined

Acute oral effect – Toxic to mice @LD55=2000mg/kg

Eyes: not available

Skin: not available

Mutagenicity: not established

All the above are estimated.

XII. ECOLOGICAL INFORMATION

Not Applicable

XIII. DISPOSAL CONSIDERATION

- 1) Dispose according the state and local government regulation.

XIV. TRANSPORT INFORMATION

DOT: Not Classified

IATA: Not Classified

IMDG: Not Classified

XV. REGULATORY INFORMATION

EPA REGULATION

RCRA HAZARDOUS WASTE NUMBER: Not listed

CERCLA HAZARDOUS SUBSTANCE: Not listed

SARA TOXIC CHEMICAL: Not listed

TSCA INVENTORY STATUS: All the formulation are listed in TSCA inventory



XVI. REGULATORY INFORMATION

Prepared By Mr. Pat

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