

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: LIGHT CURE ORTHODONTIC ADHESIVE

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DATE PREPARED: MAY 03, 2002

REVISION DATE: MAY, 2002

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENT | OSHA PEL | ACGIH TLV | %(OPTIONAL) |
|-------------------------------------|----------|-----------|-------------|
| BISPHENOL A DIGLYCIDYL METHACRYLATE | | | |
| TRIETHYLENE GLYCOL DIMETHACRYLATE | | | |
| BENZOYL PEROXIDE | | | |

SECTION III - PHYSICAL DATA

BOILING POINT: GELS BEFORE BOILING. SPECIFIC GRAVITY (H₂O = 1): > 1
VAPOR PRESSURE (mm Hg) ND MELTING POINT: ND
VAPOR DENSITY (AIR=1) ND EVAPORATION RATE: ND
(BUTYL ACETATE = 1)
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: CREAMY, OFF-WHITE PASTE WITH A SLIGHT ACRYLIC ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: ND FLAMMABLE LIMIT: ND
EXTINGUISHING MEDIA: CHEMICAL FOAM, CO₂, DRY CHEMICAL.
SPECIAL FIRE FIGHTING PROCEDURES: WEAR PRESSURE DEMAND, SELF-CONTAINED BREATHING APPARATUS, MSHA/MIOSH - APPROVED OR EQUIVALENT AND FULL PROTECTIVE GEAR. USE WATER SPRAY TO COOL CONTAINERS.
UNUSUAL FIRE AND EXPLOSION HAZARDS: HEAT CAN CAUSE POLYMERIZATION WITH RAPID RELEASE OF ENERGY WHICH MAY RUPTURE CONTAINER.

SECTION V - HEALTH HAZARD DATA

LIGHT CURE ORTHODONTIC ADHESIVE

ROUTE(S) OF ENTRY - INHALATION: YES

SKIN: YES

INGESTION: POSSIBLE

HEALTH HAZARD (ACUTE OR CHRONIC): REPEATED CONTACT MAY CAUSE REDDENING AND IRRITATION OF THE SKIN.

CARCINOGENICITY: NTP? IARC MONOGRAPHS? OSHA REGULATED?

SIGNS OR SYMPTOMS OF EXPOSURE:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: ALLERGIES TO METHACRYLATES AND DIMETHACRYLATES.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR.

EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER.

SKIN: WASH WITH SOAP AND WATER.

INGESTION: CONSULT A PHYSICIAN.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: HIGH TEMPERATURES.

INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: UNKNOWN

HAZARDOUS POLYMERIZATION: MAY OCCUR

CONDITIONS TO AVOID: HIGH TEMPERATURES

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
PLACE THE MATERIAL IN AN APPROVED CONTAINER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE):

VENTILATION - LOCAL EXHAUST: RECOMMENDED

SPECIAL:

MECHANICAL (GENERAL):

OTHER:

PROTECTIVE GLOVES: RECOMMENDED

EYE PROTECTION: RECOMMENDED

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

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