

BISCO INC -- ALL-BOND DENTIN/ENAMEL BONDING RESIN -- 6520-01-388-2172

===== Product Identification =====

Product ID:ALL-BOND DENTIN/ENAMEL BONDING RESIN

MSDS Date:08/27/1994

FSC:6520

NIIN:01-388-2172

Kit Part:Y

MSDS Number: CCZDK

=== Responsible Party ===

Company Name:BISCO INC

Address:1500 W THORNDALE AVE

City:ITASCA

State:IL

ZIP:60143

Country:US

Info Phone Num:708-773-6633

Emergency Phone Num:70

8-773-6633

CAGE:0SPV4

=== Contractor Identification ===

Company Name:BISCO INC

Address:1500 W THORNDALE AVE

Box:City:ITASCA

State:IL

ZIP:60143

Country:US

Phone:708-773-6633

CAGE:0SPV4

Company Name:BISCO INC

Address:1100 W. IRVING PARK RD

Box:UNKNOW

City:SCHAUMBURG

State:IL

ZIP:60193

Country:US

Phone:800-247-3368

CAGE:0WNJ7

===== Composition/Information on Ingredients =====

Ingred Name:2-PROPENOIC ACID, 2-METHYL-, (1-METHYL ETHYL
IDENE)BIS(4,1-PHENYLENEOXY(2-HYDROXY-3,1-PR

PANEDIYL) ESTER;
(BIS-GMA)
CAS:1565-94-2
RTECS #:UD3438000
Fraction by Wt: 15-40%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:METHACRYLIC ACID, 2-HYDROXYETHYL ESTER; (HEMA).
LD50:(ORAL,RAT) >5.5 G/KG
CAS:868-77-9
RTECS #:OZ4725000
Fraction by Wt: 30-60%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:URETHANE DIMETHACRYLATE
CAS:65256-52-2
Fraction by Wt: 15-40%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:N,N-DI-(2-HYDROXYETHYL)-P-TOLUIDINE; (P-TOLUIDINE).
LD50:(ORAL,RAT) 2.2 G/KG
CAS:3077-12-1

Fraction by Wt: 0.5-1.0%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:METHACRYLIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER;
(DIMETHYLAMINE ETHYLMETHACRYLATE). LD50:(ORAL,RAT) 1.5 G/KG
CAS:2867-47-2
RTECS #:OZ4200000
Fraction by Wt: 1-5%
OSHA PEL:N/K
ACGIH TLV:N/K

===== Hazards Identification =====

LD50 LC50 Mixture:SEE INGREDIENTS
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute an

d Chronic:ACUTE:MAY CAUSE EYE IRRITATION AND SKIN SENSITIZATION IN SUSCEPTIBLE INDIVIDUALS. SIGNS & SYMPTOMS OF EXPOSURE:MAY CAUSE SEVERE EYE IRRITATION. TYPICAL ALLERGIC SYMPTOMS OF SKIN OF SUSCEPTIBLE INDIVIDUALS.
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INGEST:CALL MD IMMEDIATELY . INHAL:REMOVE TO FRESH AIR.
SUPPORT BREATHING (GIVE O₂/ARTF RESP) . SKIN:THOROUGHLY WASH WITH SOAP AND WATER. EYES:FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, SEE A PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:167F,75C
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL.
Fire Fighting Procedures:NONE. USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NONE.

===== Accidental Release Measures =====

Spill Release Procedures:CLEAN UP WITH PAPER TOWELS AND PLACE IN SECURE CONTAINER WITH LID.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID HIGH TEMPERATURES.
Other Precautions:NONE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT REQUIRED. NIOSH APPROVED RESPIRATOR AP

PROPRIATE FOR EXPOSURE OF CONCERN .
Ventilation:MECHANICAL (GENERAL):RECOMMENDED.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS (SUPDAT)
Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER .
Work Hygienic Practices:OSHA GOOD LABORATORY PRACTICES.
Supplemental Safety and Health
EYE PROT:& FULL LENGTH FACESHIELD .

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:>302F,>150C
Vapor Density:>1
Spec Gravity:1.
1 (H*2O=1)
Evaporation Rate & Reference:NOT KNOWN
Solubility in Water:IMMISCIBLE
Appearance and Odor:PALE STRAW LIQUID, FAINT ESTER ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
AMINES.
Stability Condition to Avoid:AMINES, HIGH TEMPERATURES.
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.
Conditions to Avoid Polymerization:AMINES, HIGH TEMPERATURES.

===== Disposal Considerations =====
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND
FEDERAL REGULATIONS.

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