

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 O<sub>2</sub>/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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