

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 . INHA
L: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 L
EAST 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 =====
=====

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional
advice to verify and
assume responsibility for the suitability of this information to their
particular situation.