

MATERIAL SAFETY DATA SHEET

C.D. PRODUCTS, INC. emergency telephone #
918 N. Union St. (920)-739-8685
Appleton, WI 54911 ISSUE DATE- 8/4/03

SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME- EPOXY RESIN

PRODUCT #- 3100A

PRODUCT CLASS- EPOXY RESIN

HMIS CODE HEALTH-1 , FIRE-1, REACTIVITY-0

HAZARD RATING: 0=LEAST, 1=SLIGHT, 2= MODERATE, 3=HIGH, 4= EXTREME

SECTION II: HAZARDOUS INGREDIENTS	CAS	%	PEL	TLV
Alkyl Glycidyl Ether		Moderate	N/E	N/E
Epoxy Resin		Major	N/E	N/E

% Listing: 0-10% Minor, 10-35% Moderate 35-60% Significant >60% Major N/E = Not Established

SECTION III: PHYSICAL DATA

BOILING RANGE: > 280F

EVAPORATION RATE VS BUTYL ACETATE - slower

VAPOR DENSITY VS AIR: heavier

SOLUBILITY IN WATER: slightly soluble

APPEARANCE AND ODOR: clear thin liquid, strong solvent odor

PERCENT VOLATILE BY VOLUME: 50

WEIGHT PER GALLON: 8.2b/gal

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): >120F

LEL: <1.1% UEL: na

EXTINGUISHING MEDIA: water spray, dry chemical, foam or carbon dioxide

HAZARDOUS DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide,

SPECIAL FIRE FIGHTING PROCEDURES: water spray to keep containers cool, and to protect persons attempting to stop leaks. Wear self contained breathing apparatus with a full face piece operated in the positive pressure demand mode, goggles and full protective clothing. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially is sprayed into containers of hot, burning liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS: closed containers may explode due to build up of pressure from excessive heat. vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights or other ignition sources at locations distant from the material handling point. Never weld on or near drum. Liquids or residues may ignite explosively.

SECTION V: HEALTH HAZARD DATA - EFFECTS OF OVER EXPOSURE

INGESTION: can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

INHALATION: excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

MSDS SHEET C.D. PRODUCTS INC. #3100 PART A EPOXY PAGE 2

SKIN ABSORPTION: prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Product may cause skin sensitization.

SKIN CONTACT: above

EYE CONTACT: can cause severe irritation, redness, tearing, blurred vision.

EFFECTS OF CHRONIC OVER EXPOSURE: NA

EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: flush with water for 15 minutes and seek medical attention

SKIN CONTACT: wash immediately with soap and water, remove contaminated clothing and launder before reuse.

INGESTION: do not induce vomiting, keep person warm and quiet and seek medical attention

INHALATION: remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped administer artificial respiration. Keep person warm and quiet and seek medical attention.

SECTION VI: REACTIVITY DATA

STABILITY: stable

HAZARDOUS POLYMERIZATION: may occur-if in contact with amines or strong oxydizing agents.

CONDITIONS TO AVOIDS excessive heat, strong bases

SECTION VII: SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: eliminate ignition sources, absorb with inert material, eg- sand, scoop up and put into disposal container. flush area with water, prevent washdowns from entering the sewers and water ways. Uncontrolled spills which exceed one gallon may be reportable to the National Response Center.

WASTE DISPOSAL METHOD: dispose of in accordance with applicable local, state, and federal regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY: use with adequate ventilation. NIOSH/MSA approved respirators

should be used where ventilation is not adequate. Niosh approved air-line respirators with auxiliary escape air tanks or self contained breathing apparatus should be used in confined spaces.

VENTILATION: local exhaust recommended when appropriate to control employee exposure.

PROTECTIVE GLOVES: Neoprene, nitrile rubber -should be warn

EYE PROTECTION: chemical splash goggles

OTHER PROTECTIVE EQUIPMENT: normal work clothing covering arms and legs

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: avoid skin contact, remove and launder contaminated clothing. Empty containers may contain residual flammable vapors so all hazard precautions should be observed. Store in a cool, dry palce with adequate ventilation.

NOTE: To the best of our knowledge, the information contained herein is accurate. However C.D. Products. Inc assumes no liability whatsoever for the accuracy or completeness of the information contained herein. The final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should

be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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918 N. Union St.. (920)-739-8685
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SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME- PART B HARDENER

PRODUCT #- 3100B

PRODUCT CLASS- ALIPHATIC AMINE

HMS CODE HEALTH-1 , FIRE-1, REACTIVITY-0

HAZARD RATING: 0=LEAST, 1=SLIGHT, 2= MODERATE, 3=HIGH, 4= EXTREME

SECTION II: HAZARDOUS INGREDIENTS

	CAS	%	PEL	TLV
benzine-1, 3dimethanmine	1477-55-0	Minor	N/E	N/E(1)
trimethylhexamethylenenedimamine	3236-53-1	Moderate	N/E	N/E
paratertiarybutylphenol	98-54-4	Minor	N/E	N/E
nonyl phenol	25154-52-3	Minor	N/E	N/E
n-aminoethyl piperazine	140-31-8	Moderate	N/E	N/E

% Listing: 0-10% Minor, 10-35% Moderate 35-60% Significant >60% Major N/E = Not Established

(1) Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption.

SECTION III: PHYSICAL DATA

BOILING RANGE: > 400F

EVAPORATION RATE VS BUTYL ACETATE - na

VAPOR DENSITY VS AIR: na

SOLUBILITY IN WATER: not soluble

APPEARANCE AND ODOR: clear viscous liquid

PERCENT VOLATILE BY VOLUME: 0

WEIGHT PER GALLON: 8.0b/gal

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): +200F

LEL: 0.8 estm

UEL: na

EXTINGUISHING MEDIA: water spray, dry chemical, foam or carbon dioxide

HAZARDOUS DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide, oxides of nitrogen

SPECIAL FIRE FIGHTING PROCEDURES: water spray to keep containers cool, and to protect persons attempting to stop leaks. Wear goggles and full protective clothing. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially is sprayed into containers of hot material.

SECTION V: HEALTH HAZARD DATA - EFFECTS OF OVER EXPOSURE

INGESTION: can cause gastrointestinal irritation, nausea, vomiting, diarrhea
INHALATION: excessive inhalation of vapors can cause nasal and respiratory irritation
SKIN ABSORPTION: may cause burns and or sensitization
SKIN CONTACT: above

MSDS SHEET C.D. PRODUCTS INC. #3100 PART B HARDINER PAGE 2

EYE CONTACT: causes chemical burns and may cause irreversable injury
EFFECTS OF CHRONIC OVER EXPOSURE: NA

EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: flush with water for 15 minutes, lifting upper and lower lids, and seek medical attention
SKIN CONTACT: wash immediately with soap and water, remove contaminated clothing and launder before reuse.
INGESTION: do not induce vomiting, keep person warm and quiet and seek medical attention. Aspiration of ingented material into the lungs can cause chemical pneumonias which can be fatal.
INHALATION: remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped administer artificial respiration. Keep person warm and quiet and seek medical attention.

SECTION VI: REACTIVITY DATA

STABILITY: stable
HAZARDOUS POLYMERIZATION: will not occure
CONDITIONS TO AVOIDS excessive heat, contact with strong acids

SECTION VII: SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: eliminate ignition sources, absorb with inert material, eg- sand, scoop up and put into disposal container. flush area with water, prevent washdowns from entering the sewers and water ways. Uncontrolled spills which exceed one gallon may be reportable to the National Response Center. For small spills the resin may be scooped us and then disposed of.
WASTE DISPOSAL METHOD: Incinerate in furnace or dispose of in accordance with applicable local, state, and federal regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY: use with adequate ventilation. NIOSH/MSA approved respirators should be used where ventilation is not adequate. Niosh approved air-line respirators with auxiliary escape air tanks or self contained breathing apparatus should be used in confined spaces.
VENTILATION: local exhaust recommended when appropriate to control employee exposure. below TLV limits
PROTECTIVE GLOVES: Neoprene, nitrile rubber -should be warn
EYE PROTECTION: chemical splash goggles
OTHER PROTECTIVE EQUIPMENT: normal work clothing covering arms and legs to prevent skin contact.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: keep containers tightly closed.
OTHER PRECAUTIONS: keep away from heat or open flames

SECTION X: ADDITIONAL R-T-K COMPOSITION INFORMATION

no additional information is applicable

SECTION XI: SARA TITLE III INFORMATION

Supplier is notified under SARA TITLE III SECTION 313 not required for this product. SARA SECTION 311 and 312 hazard classification for this product is listed below

Immediate (acute) health hazard

Delayed (chronic) health hazard

MSDS SHEET C.D. PRODUCTS INC. #3100 PART B HARDINER PAGE 3

SECTION XII: RCRA INFORMATION

Since this product is not sold as a waste, we have not listed it as a waste. Based on our knowledge of this product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is a hazardous waste for federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials.

SECTION XIII: CERCLA INFORMATION

Under EPA-CERCLA releases to air, land or water which exceed the reportable quantity must be reported to the national response center (800-424-8802). This product contains no materials with reportable quantities.

SECTION XIV: CALIFORNIA PROPOSITION 65 INFORMATION

This product is not subject to California Proposition 65 notification.

SECTION XV: TRANSPORTATION INFORMATION

Dot shipping name: alkylamines n.o.s

Dot hazard class: corrosive

Dot label(s): corrosive

Dot UN/NA number: UN 2735

SECTION XVI: OTHER INFORMATION

This product complies with all TSCA inventory requirements.

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