

MATERIAL SAFETY DATA SHEET

C.D. PRODUCTS, INC. emergency telephone #
918 N. Union St. (920)-739-8685
Appleton, WI 54911 ISSUE DATE- 7/20/90

SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME- PART A EPOXY

PRODUCT #- 1021A

PRODUCT CLASS- EPOXY RESIN SOLUTION FLAMABLE LIQUID-173.115

HMS CODE HEALTH-1 , FIRE-3, REACTIVITY-0

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

SECTION II: HAZARDOUS INGREDIENTS	CAS	%	PEL	TLV
ETHELENE GLYCHOL	002807-30-9	<20	50	25 SKIN (1)
MONOPROPYL ETHER				
AROMATIC HYDROCARBON	64742-85-6	<35	100	100
EPOXY RESIN POLYMERS	205036-25-3	<40% NA		NA SKIN(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: 230-340F

EVAPORATION RATE VS BUTYL ACETATE - slower

VAPOR DENSITY VS AIR: heavier

SOLUBILITY IN WATER: slightly soluble

APPEARANCE AND ODOR: amber liquid, strong solvent odor

PERCENT VOLATILE BY VOLUME: 67%

WEIGHT PER GALLON: 7.8lb/gal

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): 80F

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.

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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.

SKIN ABSORPTION: prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

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 or strong oxidizing 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. For small spills, the solvent may be allowed to evaporate and the dry resin 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.

PROTECTIVE GLOVES: Neoprene, nitrile rubber -should be worn

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.

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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SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME- PART B HARDINER
PRODUCT #- 1021B
PRODUCT CLASS- AMINE RESIN SOLUTION FLAMABLE LIQUID-173.115
HMIS CODE HEALTH-1 , FIRE-3, REACTIVITY-0
HAZARD RATING: 0=LEAST, 1=SLIGHT, 2= MODERATE, 3=HIGH, 4= EXTREME

SECTION II: HAZARDOUS INGREDIENTS	CAS	%	PEL	TLV
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MONOPROPYL ETHER				
AROMATIC HYDROCARBON	64742-85-6	<60	100	100
AMINE BLEND	68410-23-1,2807-30-9,111-40-0,1330-20-7	<20%	100	100

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SECTION III: PHYSICAL DATA

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EVAPORATION RATE VS BUTYL ACETATE - slower
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SOLUBILITY IN WATER: slightly soluble
APPEARANCE AND ODOR: amber liquid, strong solvent odor
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CONDITIONS TO AVOIDS excessive heat, strong acids

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