

# 31780

Pg 1

MATERIAL SAFETY DATA SHEET



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Rochester NY 14621  
Information: 716-336-2200

Emergency Phone:  
INFOTRAC: 1-800-535-5053  
OUTSIDE US: 1-352-323-3500

PRODUCT NAME: WOOD COTE HARDENER, Hardener Additive

REVISION DATE: 07/07/2000 REVISION NUMBER: 1  
DATE PRINTED: 07/25/2001 PREPARED BY: Walter Friedlander

1. CHEMICAL PRODUCT

MSDS FORM NUMBER: 7166  
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3  
Fire: 2/2  
Reactivity: 0/0  
Special/Protective None/B  
Equipment:

31780

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

PRODUCT COMPOSITION CAS REGISTRATION NO.	APPROX. WEIGHT PERCENT	ACGIH TLV	ACGIH UNIT	OSHA PEL	OSHA UNIT
1-Aziridinepropanoic acid, 2 methyl 2-ethyl-2-[[3-(2-methyl-1-aziridinyl)-1-oxypoxy] methyl]-1, 3-propandiyl ester; Polyfunctional Aziridine 64265-57-2	70 min.	NA	NA	NA	NA
Diethylene glycol butyl ether 112-34-5	23	NA	NA	NA	NA

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): NE (C) NA  
VAPOR PRESSURE: NE  
VAPOR DENSITY (AIR=1): > 1  
Solubility in Water: MISCIBLE  
SPECIFIC GRAVITY: 1.04  
VOC Content (%): 2.2  
EVAPORATION RATE: < (BuAc = 1) : 1.26  
PH: 9  
Appearance and Odor: Yellow liquid. Mild amine odor.

## WOOD COTE HARDENER, Hardener Additive

### 4. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT (F):** 130 F (COC) (C): NA

**METHOD:** COC

**FLAMMABLE LIMITS IN AIR - LOWER (%):** 0.9%

**FLAMMABLE LIMITS IN AIR - UPPER (%):** 24.6%

**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, foam, dry chemical.

**FIRE FIGHTING PROCEDURES:** Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

### 5. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE

**POLYMERIZATION:** Polymerization may occur.

**HAZARDOUS DECOMPOSITION:** Combustion produces: Carbon Dioxide. Carbon Monoxide. Oxides of Nitrogen.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid contact with: Acids. Anhydrides. Strong oxidents, such as nitric acid, peroxides, or hypochlorites.

**CONDITIONS/HAZARDS TO AVOID:** Do not store or mix with: Acids. Strong oxidizers. UV light exposure. Extreme heat, direct sunlight.

### 6. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

##### **INGESTION:**

Harmful if swallowed. Causes burns of the mouth, throat and stomach. Nausea.

##### **SKIN CONTACT:**

May cause moderate skin irritation. Repeated or prolonged contact may cause skin sensitization. Glycol ether component can be absorbed through the skin.

##### **INHALATION:**

May cause allergic respiratory reaction. Possible tissue damage.

##### **EYE CONTACT:**

Corrosive. Causes severe eye irritation. Causes severe eye burns.

##### **CHRONIC EFFECTS:**

Irritant dermatitis; possible respiratory damage from inhalation of dust or mist.

##### **EFFECTS/CARCINOGENICITY:**

**WOOD COTE HARDENER, Hardener Additive**

None listed under OSHA, IARC, or NTP.

**ROUTES OF ENTRY:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

**EMERGENCY AND FIRST AID MEASURES:**

**INGESTION:** Get immediate medical attention. **SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse. **INHALATION:** Move person to fresh air. Aid breathing if necessary. **EYES:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**NOTES TO PHYSICIAN:** None.

**7. HANDLING AND STORAGE**

**SPILL PROCEDURES:**

**SMALL SPILLS:** Flush with water.

**LARGE SPILLS:** Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

**WASTE DISPOSAL METHODS:**

Dispose in accordance with Federal, State and Local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Store in a well ventilated area. Store in a cool, dry area. Do not puncture or incinerate container. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors.

**OTHER PRECAUTIONS:**

Keep out of reach of children. Read and follow label instructions.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE CONTROLS:**

Use in a well ventilated area.

**RESPIRATORY PROTECTION:**

Use a NIOSH-approved 21c air purifying respirator equipped with high efficiency particulate filter when conditions of processing or use of this material can generate particulates.

**PROTECTIVE GLOVES:**

Neoprene.

**EYE PROTECTION:**

Goggles.

**OTHER PERSONAL PROTECTION**

Rubber apron. Rubber boots. Chemical resistant materials are required to prevent prolonged or repeated skin contact.

**EQUIPMENT:**

**VENTILATION:**

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

\*\*\* END OF MSDS \*\*\*