

800 S. 7th Street  
Richmond. IN 47374  
(765) 966-5084

<b>Product Name:</b> DEFY WOOD BRIGHTENER®	<b>Date:</b> 07-01-96	
<b>MSDS Number:</b> TB-81	<b>CAS Number:</b> Mixture	<b>Prepared by:</b> Greg Herbert

### SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

#### Principal hazardous component(s) (chemical & common names)

Oxalic Acid\*

\*Percentage content of ingredients withheld as a trade secret pursuant to Massachusetts regulations\*

### SECTION 2 - PHYSICAL & CHEMICAL CHARACTERISTICS

**Appearance and odor:** ----- Cloudy to clear liquid with a slight odor.  
**Boiling point:** ----- 212°  
**Vapor pressure (mm Hg and temperature):**----- 15 mm Hg. (104°)  
**Vapor density (air = 1):** ----- Unknown  
**Evaporation rate:** ----- NA  
**Solubility in water:** ----- Completely soluble  
**Water reactive:** ----- NA  
**Specific gravity:** ----- 1  
**% volatile by volume:**----- NA

### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

**Flash point and method used:** ----- NA  
**Auto-ignition temperature:** ----- NA  
**Flammability limits in air % by volume:** ----- NA  
**Extinguishing media:** ----- Water fog  
**Special fire fighting procedures:** ----- Water may be used to extinguish fire by cooling.  
**Unusual fire and explosion hazards:** ----- NA

### SECTION 4 - REACTIVITY HAZARD DATA

**Stability:** ----- Stable  
**Conditions to avoid:** ----- Materials listed below.  
**Incompatibility (materials to avoid):** ----- Strong alkalis, and chlorine bleach.  
**Hazardous decomposition products:** ----- NA  
**Hazardous polymerization:** ----- Will not occur.  
**Conditions to avoid:** ----- NA

## SECTION 5 - HEALTH HAZARD DATA

### Primary routes of entry:

  X   Inhalation           Skin Absorption           Ingestion           Not Hazardous

### Carcinogen listed in:

  X   NTP           IARC Monograph           OSHA      X   Not Listed

**Signs and symptoms of exposure:** Eyes: tearing, burning, redness. Skin: redness, swelling, burns. Breathing: irritation and burns to nose, throat, and respiratory tract.

**Acute overexposure:** Overexposure can cause irritation or burns to skin and eyes.

**Chronic overexposure:** Overexposure to mist can cause damage to nasal or respiratory passages. Inflammation of the eye.

**Medical conditions generally aggravated by exposure:**

**Emergency and first aid procedures -** Seek medical assistance for further treatment, observation, and support.

**Eye contact:** Immediately flush with water for 15 minutes, lifting upper and lower lids occasionally. Consult physician immediately. Do not use chemical antidote.

**Skin contact:** Wash off skin with water.

**Inhalation:** If affected, remove to fresh air.

**Ingestion:** Do not induce vomiting. Dilute by giving water. Give milk of magnesia. Get medical attention immediately.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

**Respiratory protection (specify type):** Not generally required during normal outdoor use and handling.

**Protective gloves:** Chemical resistant gloves

**Eye protection:** Chemical splash goggles

**Ventilation:**

**Local exhaust:** X

**Mechanical (general):**

**Special:**

**Other protective clothing and equipment:** NA

**Hygienic work practices:** Wash after handling any chemical.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

**Steps to be taken if material is spilled or released:** Stop spill at source. Dike to prevent spreading. Pump to salvage tank.

**Waste disposal methods:** Flush down drain with large amounts of water in accordance with applicable regulations.

**Precautions to be taken in handling and storage:** Keep container closed, store above 32° F and below 120°F.

**Other precautions and/or special hazards:** The need for respiratory protection should be evaluated if this material is handled in poorly ventilated areas. Consult safety equipment supplier.

<b>NFPA Rating:</b>	Health <u>  2  </u>	Flammability <u>  0  </u>	Reactivity <u>  0  </u>	Special <u>      </u>
<b>HMIS Rating:</b>	Health <u>  1  </u>	Flammability <u>  0  </u>	Reactivity <u>  0  </u>	Special <u>  C  </u>