## **MATERIAL SAFETY DATA SHEET**

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Z-SEALER

DATE PRINTED: 02/05/01

IDENTIFICATION NUMBER: ZD070 PRODUCT USE/CLASS :

Sealer

SUPPLIER:

MANUFACTURER: Zygrove Corporation 5302 Shoreline Drive Mound, MN 55364

EMERGENCY TELEPHONE (Day): (952)-472-4700 EMERGENCY TELEPHONE (Night): (800) 424-9300

PREPARER: Dane Tibke, PHONE: (952)-472-4700, PREPARE DATE: 02/05/01

## SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

ITEM_	Ester a		CAL NAME-		- CAS NUMBER 25265-77-4	WT/WT % LESS THAN 5.0 %
02	propyl	57-55-6	10.0 %			
			EXPOSU	IRE LIMITS		
	ACGIK		OSHA		COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	N.E.	N.E.	N.E.	N.E.	N.E.	NO
02	N.E.	N.E.	N.E.		N.E.	NO
(See Sec	tion 16 for abbre	viation legend)				

### **SECTION 3 – HAZARDOUS IDENTIFICATION**

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause slight irritation.

EFFECTS OF OVSRSXPOSURE - SKIN CONTACT: Substance may cause slight skin imitation.

EFFECTS OF OVEREXPOSURE - INHALATION: Slightly irritating to respiratory tracts.

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat and stomach.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No known components of this product are listed as known or suspected carcinogens per NIOSH NTP, IARC, or OSHA.

PRIMARY ROUTES) OF ENTRY: EYE CONTACT SKIN CONTACT INGESTION

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#### **SECTION 4 – FIRST AID MEASURES**

FIRST AID - EYE CONTACT: Flush eye with water for 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

#### **SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT: 210 F

LOWER EXPLOSIVE LIMIT: 0.6 %

UPPER EXPLOSIVE LIMIT: 12.5%

AUTOIGNITION TEMPERATURE: N/D

EXTINGUISHING MEDIA: FOAM WATER FOG DRY CHEMICAL CO2 ALCOHOL FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: No Information.

SPECIAL FIREFIGHTING PROCEDURES: Containers exposed to fire should be kept cool with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and disches which lead to waterways.

#### **SECTION 7 -- HANDLING AND STORAGE**

HANDLING: Keep out of reach of children.

STORAGE: Keep container closed when not in use.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

OTHER PROTECTIVE EQUIPMENT: Use nubber, neoprene or vinyl alcohol gloves.

HYGIENIC PRACTICES: Do not take internally. Wash thoroughly after handling. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

### **SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

Is heavier than air VAPOR DENSITY 370 - 471 F **BOILING RANGE** N/D ODOR THRESHOLD Mild ammonia ODOR **EVAPORATION RATE** Is faster than Butyl Acetate APPEARANCE Paint-like liquid SOLUBILITY IN H2O Appreciable SPECIFIC GRAVITY 1.0200 FREEZE POINT N/D pH@0.0% VAPOR PRESSURE 17.5 mm Hg@ 20C VISCOSITY N/D Liquid PHYSICAL STATE COEFFICIENT OF WATER/OIL DISTRIBUTION: N/D (See Section 16 for abbreviation legend)

### SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Long term exposure to elevated temperatures.

INCOMPATIBILITY: Strong bases or oxidants. Strong Lewis or mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Acrid furnes. Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product: is stable under normal storage conditions.

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## SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT DERMAL LD50: No Information PRODUCT ORAL LD50: No Information

PRODUCT LC50: No Information

COMPONENT TOXICOLOGICAL INFORMATION:

- CHEMICAL NAME -

- DERMALLDSO --

- ORAL LD50 -

-LCSO -

Ester alcohol

>16 ml

6.86 ml/kg

>2.75mg/L/6H

propylene glycol

18500 mg/kg

20 g/kg

No Information

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate

# SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated

DOT TECHNICAL NAME; N/A

DOT HAZARD CLASS: N/A

HAZARD SUBCLASS: N/A

DOT UN/NA NUMBER: N/A

PACKING GROUP: N/A

RESP. GUIDE PAGE:

DOT PLACARD AT: N/A

DOT CLASS NUMBER: N/A

UN PROPER SHIPPING NAME: Not Regulated

UN HAZARD CLASS: N/A

UN CLASS NUMBER: AIR N/A

MARINE N/A

HAZARD SUBCLASS: AIR N/A

MARINE N/A

UN UN/NA NUMBER: N/A

UN PACKING GROUP: AIR N/A MARINE N/A

UN PLACARD AT: N/A

## SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -					
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)					
CERCLA - SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:					
IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD					
SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:					
CAS NUMBER WT/WT % IS LESS THAN No SARA Section 313 components exist in this product.					
TOXIC SUBSTANCES CONTROL ACT: This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:					
CHEMICAL NAME CAS NUMBER No information is available.					
CALIFORNIA PROPOSITION 65: WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:					
Ethyl acrylate CAS NUMBER  Ethyl acrylate 140-88-5  Formaldehyde 50-00-0					
INTERNATIONAL REGULATIONS: AS FOLLOWS					
CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.					
CANADIAN WHMIS CLASS: No information available.					
SECTION 16 - OTHER INFORMATION					
HMIS RATINGS - HEALTH: I FLAMMABILITY: I REACTIVITY: 0 PERSONAL PROTECTION: B					
PREVIOUS MSDS REVISION DATE: 12/20/94 REASON FOR REVISION: Update VOC information.					
VOLATILE ORGANIC COMPOUNDS (VOCS): 2.58 lbs/gal or 309 grams/ltr less water and exempt solvents.					
LEGEND: N.A Not Applicable, N.E Not Established, N.D Not Determined					

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<END OF MSDS>