

13AG

Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

<b>MANUFACTURER'S NAME</b> THE FARM-OYL COMPANY		<b>EMERGENCY TELEPHONE NO.</b> (612) 646-7571
<b>ADDRESS (Number, Street, City, State, and ZIP Code)</b> 2333 HAMPDEN AVENUE, ST. PAUL, MN 55114		
<b>CHEMICAL NAME AND SYNONYMS</b> N/A		<b>TRADE NAME AND SYNONYMS</b> FARM-OYL II ANTI-FREEZE/COOLANT
<b>CHEMICAL FAMILY</b> GLYCOL (MOSTLY)	<b>FORMULA</b> PROPRIETARY	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE ETHYLENE GLYCOL	96		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS OTHER GLYCOLS AND WATER INHIBITORS	4				
<b>HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES</b>				<b>%</b>	<b>TLV (Units)</b>

## SECTION III - PHYSICAL DATA

<b>BOILING POINT (°F.)</b>	330	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	1.12
<b>VAPOR PRESSURE (mm Hg.) @ 20°C</b>	1	<b>PERCENT, VOLATILE BY VOLUME (%)</b>	N/A
<b>VAPOR DENSITY (AIR=1)</b>	1	<b>EVAPORATION RATE (_____=1)</b>	
<b>SOLUBILITY IN WATER</b>	Completely Miscible		
<b>APPEARANCE AND ODOR</b> Blue Liquid with Characteristic Slight Odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (Method used)</b> 240°F COC	<b>FLAMMABLE LIMITS</b>	<b>LeI</b>	<b>UeI</b>
		Not Det	Not Det
<b>EXTINGUISHING MEDIA</b> WATER FOC, ALCOHOL FOAM, CO2, DRY CHEMICAL			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> NONE			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> NONE			

**NOTE TO PHYSICIAN:**

**EYES:** INJURY IS UNLIKELY. STAIN FOR EVIDENCE OF CORNEAL INJURY.

**SKIN:** MAY CAUSE IRRITATION. TREAT AS ANY CONTACT DERMATITIS. MAY BE ABSORBED IN ACUTELY TOXIC AMOUNTS UPON GROSS CONTACT.

**RESPIRATORY:** NO EFFECT EXPECTED AT ROOM TEMPERATURE. VAPORS OR MISTS MAY BE TOXIC IF PRODUCED.

**ORAL:** MODERATELY TOXIC.

**SYSTEMIC:** OVEREXPOSURE MAY CAUSE LIVER AND KIDNEY DAMAGE AND METABOLIC ACIDOSIS. ANESTHETIC OR NARCOTIC EFFECT MAY OCCUR. EARLY ADMINISTRATION OF ETHANOL MAY COUNTER THE TOXIC EFFECTS OF ETHYLENE GLYCOL.

CONSULT STANDARD LITERATURE. TREATMENT BASED ON SOUND JUDGMENT OF PHYSICIAN AND THE INDIVIDUAL REACTIONS OF THE PATIENT.