



The Green Edge

**IceClear AF MATERIAL SAFETY DATA SHEET**

I. IDENTIFICATION AND EMERGENCY INFORMATION							
<b>PRODUCT NAME</b>	IceClear AF	<b>MANUFACTURER/</b>	Orison Marketing, L.L.C.				
<b>PRODUCT DESCRIPTION</b>	Anti-Freeze Fluid Heat Transfer Fluid	<b>SUPPLIER</b>	4801 South Danville Dr. Abilene, TX 79608				
<b>APPEARANCE</b>	Clear Semi-Viscous Liquid	<b>Fax:</b> (325) 690-0569	<b>Tel:</b> (325) 692-1135				
<b>ODOR</b>	Odorless						
II. COMPONENTS AND HAZARD INFORMATION							
CHEMICAL COMPONENTS	CAS NUMBER	WEIGHT %	OSHA PEL	ACGIH TLV	NTP LISTED	IARC LISTED	
Glycerin	56-81-5	55 - 65	NE	NE	NE	NE	
Water	7732-18-5	35 - 45	NE	NE	NE	NE	
Corrosion Inhibitor	proprietary	<1					
III. TYPICAL PHYSICAL PROPERTIES							
<b>BOILING POINT</b>	228F	<b>SPECIFIC GRAVITY (water=1)</b>	1.15				
<b>VAPOR PRESSURE (mm Hg@20C)</b>	565	<b>PERCENT VOLATILES (by volume)</b>	35 - 40				
<b>VAPOR DENSITY (air=1)</b>	ND	<b>EVAPORATION RATE (ether=1)</b>	<1				
<b>SOLUBILITY IN WATER</b>	Complete	<b>pH DATA (neat)</b>	7.4 - 8.4				
<b>APPEARANCE</b>	Clear	<b>VISCOSITY @ 20C, cSt.</b>	10.4cPs				
<b>ODOR</b>	Odorless	<b>FREEZING POINT</b>	-34C (-30F)				
IV. FIRE AND EXPLOSION HAZARD INFORMATION							
<b>FLASH POINT (METHOD)</b>	None	<b>FLAMMABILITY LIMITS (% BY VOLUME IN AIR)</b>		<b>AUTOIGNITION TEMPERATURE</b>			
		<b>LEL :</b> NA	<b>UEL :</b> NA	NA			
<b>FIRE AND EXPLOSION HAZARDS</b>	Avoid breathing decomposition products.						
<b>EXTINGUISHING MEDIA</b>	Foam, Dry Chemical, CO2, Water Fog						
<b>SPECIAL FIREFIGHTING PROCEDURES</b>	Wear full protective clothing and self-contained breathing apparatus.						
V. REACTIVITY INFORMATION							
<b>STABILITY (CONDITIONS TO AVOID)</b>	Stable						
<b>CHEMICAL INCOMPATIBILITY:</b>	Strong oxidizing agents.						
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of carbon.						
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur.						
<b>CORROSIVE TO METAL</b>	No			<b>OXIDIZER:</b>	No		
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM							
<b>HEALTH</b>	0	<b>FLAMMABILITY</b>	0	<b>REACTIVITY</b>	0	<b>SPECIAL</b>	0
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VI. HEALTH HAZARD AND FIRST AID INFORMATION			
<b>ROUTES OF ENTRY</b>		<b>EFFECTS OF OVEREXPOSURE</b>	
<b>INHALATION</b>	None		
<b>EYE CONTACT</b>	May cause slight irritation.		
<b>SKIN CONTACT</b>	Irritation unlikely.		
<b>INGESTION</b>	Single doses of greater than 50 grams may have a laxative effect.		
<b>EMERGENCY FIRST AID PROCEDURES</b>			
<b>INHALATION</b>	None required.		
<b>EYES</b>	Flush eyes with water for 15 minutes. Get medical attention if warranted.		
<b>SKIN</b>	Remove contaminated clothing and wipe excess from skin. Wash skin with soap and water. If irritation occurs, get medical attention.		
<b>INGESTION</b>	Drink water.		
VII. OCCUPATIONAL CONTROL PROCEDURES			
<b>VENTILATION</b>	Provide local exhaust as necessary.		
<b>RESPIRATORY</b>	None required.		
<b>EYE PROTECTION</b>	Safety glasses or goggles are advisable where splashes to eye may occur.		
<b>SKIN PROTECTION</b>	Rubber gloves are recommended for prolonged or repeated exposure.		
<b>HANDLING AND STORAGE</b>	Store in a dry location away from heat, sparks and other sources of ignition. keep containers closed when not in use.		
VIII. ENVIRONMENTAL CONTROL PROCEDURES			
<b>SPILL AND LEAK PROCEDURES</b>	Spilled material may be slippery. Small spills can be washed into chemical sewers. Large spills should be collected for disposal. Dike area to contain spill. Absorbent sand, earth, vermiculite or similar material. Wear appropriate protective equipment.		
<b>WASTE DISPOSAL METHODS</b>	Incinerate or dispose of in approved solid waste disposal area per current regulations.		
<b>EPA SARA TITLE III INFORMATION</b>			
<b>SECTION 313 CHEMICAL</b>	<b>CAS #</b>	<b>WEIGHT PERCENT</b>	
None			
IX. ADDITIONAL INFORMATION			
WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH ON THIS DATA SHEET ARE BELIEVED TO BE ACCURATE AS OF THE PRESENT DATE, METSS AND ORISON MAKE NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.			
<b>DATE PREPARED</b>	January 25, 2007	<b>REVISION DATE</b>	12/1/10
<b>EXPLANATION OF ABBREVIATIONS</b>	NE=NOT ESTABLISHED AP=APPROXIMATE	ND=NOT DETERMINED NA=NOT APPLICABLE	TR=TRACE UK=UNKNOWN >=GREATER THAN <=LESS THAN
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