



The Green Edge

IceClear AF MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION AND EMERGENCY INFORMATION							
PRODUCT NAME	IceClear AF	MANUFACTURER/ SUPPLIER	Orison Marketing, L.L.C. 4801 South Danville Dr. Abilene, TX 79608				
PRODUCT DESCRIPTION	Anti-Freeze Fluid Heat Transfer Fluid	Fax: (325) 690-0569	Tel: (325) 692-1135				
APPEARANCE	Clear Semi-Viscous Liquid						
ODOR	Odorless						
II. COMPONENTS AND HAZARD INFORMATION							
CHEMICAL COMPONENTS	CAS NUMBER	WEIGHT %	OSHA PEL	ACGIH TLV	NTP LISTED	IARC LISTED	
Complex Carbohydrates		55 - 65	NE	NE	NE	NE	
Water		35 - 45	NE	NE	NE	NE	
Corrosion Inhibitor		<1					
CONTAINS NO HAZARDOUS INGREDIENTS UNDER CURRENT OSHA REGULATIONS							
III. TYPICAL PHYSICAL PROPERTIES							
BOILING POINT		ND	SPECIFIC GRAVITY (water=1)		1.138 - 1.142		
VAPOR PRESSURE (mm Hg@20C)		ND	PERCENT VOLATILES (by volume)		35 - 40		
VAPOR DENSITY (air=1)		ND	EVAPORATION RATE (ether=1)		<1		
SOLUBILITY IN WATER		Complete	pH DATA (neat)		7.4 - 8.4		
APPEARANCE		Clear	VISCOSITY @ 20C, cSt.		ND		
ODOR		Odorless	FREEZING POINT		-32C (-25F)		
IV. FIRE AND EXPLOSION HAZARD INFORMATION							
FLASH POINT (METHOD)	None		FLAMMABILITY LIMITS (% BY VOLUME IN AIR)		AUTOIGNITION TEMPERATURE		
			LEL : NA UEL : NA		NA		
FIRE AND EXPLOSION HAZARDS	Avoid breathing decomposition products.						
EXTINGUISHING MEDIA	Foam, Dry Chemical, CO2, Water Fog						
SPECIAL FIREFIGHTING PROCEDURES	Wear full protective clothing and self-contained breathing apparatus.						
V. REACTIVITY INFORMATION							
STABILITY (CONDITIONS TO AVOID)	Stable						
CHEMICAL INCOMPATIBILITY:	Strong oxidizing agents.						
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon.						
HAZARDOUS POLYMERIZATION	Will not occur.						
CORROSIVE TO METAL	No				OXIDIZER:	No	
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM							
HEALTH	0	FLAMMABILITY	0	REACTIVITY	0	SPECIAL	0
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VI. HEALTH HAZARD AND FIRST AID INFORMATION		
ROUTES OF ENTRY	EFFECTS OF OVEREXPOSURE	
INHALATION	None	
EYE CONTACT	May cause slight irritation.	
SKIN CONTACT	Irritation unlikely.	
INGESTION	Single doses of greater than 50 grams may have a laxative effect.	
EMERGENCY FIRST AID PROCEDURES		
INHALATION	None required.	
EYES	Flush eyes with water for 15 minutes. Get medical attention if warranted.	
SKIN	Remove contaminated clothing and wipe excess from skin. Wash skin with soap and water. If irritation occurs, get medical attention.	
INGESTION	Drink water.	
VII. OCCUPATIONAL CONTROL PROCEDURES		
VENTILATION	Provide local exhaust as necessary.	
RESPIRATORY	None required.	
EYE PROTECTION	Safety glasses or goggles are advisable where splashes to eye may occur.	
SKIN PROTECTION	Rubber gloves are recommended for prolonged or repeated exposure.	
HANDLING AND STORAGE	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		
SPILL AND LEAK PROCEDURES	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.	
WASTE DISPOSAL METHODS	Incinerate or dispose of in approved solid waste disposal area per current regulations.	
EPA SARA TITLE III INFORMATION		
SECTION 313 CHEMICAL	CAS #	WEIGHT PERCENT
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.		
DATE PREPARED	January 25, 2007	REVISION DATE
EXPLANATION OF ABBREVIATIONS	NE=NOT ESTABLISHED AP=APPROXIMATE	ND=NOT DETERMINED NA=NOT APPLICABLE
		TR=TRACE UK=UNKNOWN
		>=GREATER THAN <=LESS THAN
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