



The Green Edge

IceClear HD MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION AND EMERGENCY INFORMATION							
PRODUCT NAME	IceClear HD	MANUFACTURER/	Orison Marketing, L.L.C.				
PRODUCT DESCRIPTION	Anti-Freeze Fluid Heat Transfer Fluid	SUPPLIER	4801 South Danville Dr. Abilene, TX 79608				
APPEARANCE	Orange Semi-Viscous Liquid	Fax: (325) 690-0569	Tel: (325) 692-1135				
ODOR	Odorless						
II. COMPONENTS AND HAZARD INFORMATION							
CHEMICAL COMPONENTS	CAS NUMBER	WEIGHT %	OSHA PEL	ACGIH TLV	NTP LISTED	IARC LISTED	
Glycerin	56-81-5	50 - 65	15 mg/m2TWA	10 mg/m3 TWA	NE	NE	
Water	7732-18-5	35 - 50	NE	NE	NE	NE	
Proprietary Corrosion Inhibitor Blend		<2					
Proposition 65 statement: This product DOES NOT contain any chemical(s) known to the state of California to cause cancer and/or birth defects.							
III. TYPICAL PHYSICAL PROPERTIES							
BOILING POINT	228F (109C)	SPECIFIC GRAVITY (water=1)		1.15			
VAPOR PRESSURE (mm Hg@100C)	@565	PERCENT VOLATILES (by volume)		35 - 40			
VAPOR DENSITY (air=1)	ND	EVAPORATION RATE (ether=1)		<1			
SOLUBILITY IN WATER	Complete	pH DATA (neat)		7.5 - 8.9			
APPEARANCE	Orange	VISCOSITY @ 20C, cSt.		@11			
ODOR	Odorless	FREEZING POINT		-31F (-35C)			
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 and reducing agents, strong acids.						
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon.						
HAZARDOUS POLYMERIZATION	Will not occur.						
CORROSIVE TO METAL	No			OXIDIZER:	No		
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM							
HEALTH	1	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 Expected		
EYE CONTACT	May cause slight irritation.		
SKIN CONTACT	Irritation unlikely.		
INGESTION	Product is non-toxic. 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	Do not induce vomiting. Drink water to dilute.		
VII. OCCUPATIONAL CONTROL PROCEDURES			
VENTILATION	Provide local exhaust as necessary.		
RESPIRATORY	Normally, none required; Misting TLV 10mg/m3 (ACGIH & OSHA)		
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, ORISON MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.			
DATE PREPARED	November 11, 2009	REVISION DATE	5/4/11
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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