



IceClear PGX MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION AND EMERGENCY INFORMATION			
PRODUCT NAME	IceClear PGX	MANUFACTURER/	Orison Marketing, L.L.C.
PRODUCT DESCRIPTION	Anti-Freeze Fluid Heat Transfer Fluid	SUPPLIER	4801 South Danville Dr. Abilene, TX 79608
APPEARANCE	Clear 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
Complex Carbohydrates		55 - 65	15 mg/m2TWA	10 mg/m3 TWA	NE	NE
Water	7732-18-5	35 - 45	NE	NE	NE	NE
- CONTAINS NO HAZARDOUS INGREDIENTS UNDER CURRENT OSHA REGULATIONS						
- ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY						
- NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ OR TPQ						
- THIS MATERIAL DOES NOT CONTAIN HAPS, CLASS 1 OR CLASS 2 OZONE DEPLETERS						
- ALL INGREDIENTS ARE LISTED ON CANADA'S DSL LIST						
- NONE OF THE CHEMICALS IN THIS MATERIAL ARE LISTED ON CANADA'S INGREDIENT DISCLOSURE LIST						

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)	40
VOC CONTENT	None Known	EVAPORATION RATE (ether=1)	<1
SOLUBILITY IN WATER	Complete	pH DATA (neat)	7 - 8
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

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. Absorbin 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			
TOXICOLOGICAL INFORMATION			(Estimated based on %'s)
Inhalation, rat: LC50 = >1140 mg/m3/1H			
Oral, rat: LD50 = > 24,000 mg/kg			
Skin, rabbit: LD50 = > 20 gm/kg			
Exotoxicity: rainbow trout = >120 mg/L, Goldfish = >10,000 mg/L			
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	February 16, 2002	REVISION DATE	2/24/09
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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