

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT 100 µS/cm Conductivity/TDS Standard			CHEMICAL FAMILY inorganic Salt		
	PRODUCT NUMBER Orion 011008			FORMULA KCl		
	MANUFACTURER'S NAME AND ADDRESS Thermo Orion Inc.			PRODUCT USE calibration standard		
	22 Alpha Road			EMERGENCY TELEPHONE NO. 800-424-9300		
	Chelmsford, MA 01824-4123					
	CONTAINER SIZE AND TYPE			USE AS RECEIVED	YES	
HAZARDOUS INGREDIENTS	SHIPPING NAME			CLASS		
	PIN	WHMIS Classification Not controlled — inherently non-hazardous			PACKING GROUP	
	CONCENTRATION*	HAZARDOUS	INGREDIENTS	CHEMICAL NAMES	LD ₅₀ mg/kg	LC ₅₀ **
	1 < 1			potassium chloride		
	1 > 99			deionized water		
				The above products are non-hazardous. This product does not contain any hazardous ingredients.		
PHYSICAL DATA	* (1) % W/W (2) % V/V (3) % g/L			** SPECIES AND ROUTE		
	FREEZING POINT	0 °C	MELTING POINT	N.A. °C	BOILING POINT	100 °C
	VAPOUR PRESSURE	Not Avail.	VAPOUR DENSITY (AIR = 1)	N. Avail.	SPECIFIC GRAVITY (H ₂ O = 1)	1.0
	COEFFICIENT OF WATER/OIL DISTRIBUTION	Not Appl.	EVAPORATION RATE	Not Avail.	pH AT 25 °C	5-7.5
	ODOUR THRESHOLD	Not Avail.	PHYSICAL STATE	GAS LIQUID PASTE SOLID POWDER X		
	ODOUR AND APPEARANCE clear, colorless solution, odorless					
FIRE & EXPLOSION DATA	FLASH POINT AND METHOD OF DETERMINATION N.A.			FLAMMABLE LIMITS	L.E.L. N. A.	U.E.L. N. A.
	CONDITIONS OF FLAMMABILITY					
	MEANS OF EXTINCTION					
	HAZARDOUS COMBUSTION PRODUCTS					
					AUTO IGNITION TEMP.	°C
	EXPLOSION DATA	SENSITIVITY TO MECHANICAL IMPACT none				
	SENSITIVITY TO STATIC DISCHARGE none					
SPECIAL FIRE FIGHTING PROCEDURES						

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REACTIVITY	STABLE	YES	CONDITIONS TO AVOID		PRODUCT NUMBER Orion 011008		
	UNSTABLE						
	INCOMPATIBILITY—MATERIALS TO AVOID						
	HAZARDOUS DECOMPOSITION PRODUCTS						
CONDITIONS OF REACTIVITY							
HEALTH HAZARD DATA	HAZARDOUS ROUTES OF ENTRY		INHALATION	INGESTION	EYE CONTACT	SKIN CONTACT	SKIN ABSORPTION
	EFFECTS OF EXPOSURE (ACUTE)						
	EFFECTS OF EXPOSURE (CHRONIC)						
	EXPOSURE LIMITS						
	SENSITIZATION TO PRODUCT						
	CARCINOGENICITY						
	OTHER TOXICOLOGICAL EFFECTS						
	EMERGENCY AND FIRST AID PROCEDURES None. Product is non-hazardous.						
PREVENTIVE MEASURES	RESPIRATORY PROTECTION Not required.						
	VENTILATION		LOCAL EXHAUST			SPECIAL	
			MECHANICAL (GENERAL)			OTHER	
	HAND PROTECTION not required				EYE PROTECTION no special requirements.		
	PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Flush to drain.						
	WASTE DISPOSAL METHOD						
	HANDLING PROCEDURES AND EQUIPMENT Store at room temperature to protect product integrity.						
	NFPA Rating: Scale (0-4) Health - 0, Fire - 0, Reactivity - 0, Specific - None						
STORAGE REQUIREMENTS							
SPECIAL SHIPPING INFORMATION							
PREPARATION	PREPARED BY Peter Bakker		APPROVED BY Peter Bakker			TELEPHONE	
	TITLE		TITLE			(519) 941-8161	
						DATE	
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