

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 Fisher		PRODUCT USE calibration standard					
	166 Cummings Center		EMERGENCY TELEPHONE NO. 800-424-9300					
	Beverly, MA 01915							
	CONTAINER SIZE AND TYPE		USE AS RECEIVED		YES			
SHIPPING NAME		CLASS						
PIN	WHMIS Classification Not controlled — inherently non-hazardous			PACKING GROUP				
HAZARDOUS INGREDIENTS	CONCENTRATION	HAZARDOUS	INGREDIENTS	CHEMICAL NAMES	LD ₅₀ mg/kg	LC ₅₀ **	CAS REGISTRY NO.	
	1 < 1			potassium chloride			7447-40-7	
	1 > 99			deionized water			7732-18-5	
				The above products are				
				non-hazardous. This product does				
				not contain any hazardous ingredients.				
PHYSICAL DATA	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		
<i>Peter Bakker</i> November 5, 2009							
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