

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT 1413 µS/cm Conductivity/TDS Standard		CHEMICAL FAMILY inorganic Salt				
	PRODUCT NUMBER Orion 011007		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		
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 **	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						
	FLASH POINT AND METHOD OF DETERMINATION		N.A.		FLAMMABLE LIMITS	L.E.L.	U.E.L.
CONDITIONS OF FLAMMABILITY				N. A.		N. A.	
FIRE & EXPLOSION DATA	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™ 011007
	UNSTABLE					
	INCOMPATIBILITY—MATERIALS TO AVOID					
	HAZARDOUS DECOMPOSITION PRODUCTS					
CONDITIONS OF REACTIVITY						
HEALTH HAZARD DATA	HAZARDOUS ROUTES OF ENTRY		INHALATION	INGESTION	EYE CONTACT	SKIN CONTACT
	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	
			<i>Peter Bakker</i>		DATE November 5, 2009	
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