

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT 12.9 mS/cm Conductivity/TDS Standard		CHEMICAL FAMILY inorganic Salt					
	PRODUCT NUMBER Orion 011006		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.	U.E.L.	
	CONDITIONS OF FLAMMABILITY					N. A.	N. A.	
	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 011006
	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			
	TITLE		TITLE		TELEPHONE	
			Chemistry Manager		(519) 941-8161	
		DATE		DATE		
		Peter Bakker		November 5, 2009		
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