

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT Reference Electrode Fill Solution for 100031/100046		CHEMICAL FAMILY Inorganic Salt			
	PRODUCT NUMBER Orion 150071		FORMULA KCl			
	MANUFACTURER'S NAME AND ADDRESS Thermo Fisher		PRODUCT USE			
	166 Cummings Center		EMERGENCY TELEPHONE NO. 800-424-9300			
	Beverly, MA 01915					
HAZARDOUS INGREDIENTS	CONTAINER SIZE AND TYPE		USE AS RECEIVED	YES		
	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 5-20	Potassium Chloride			2600	7447-40-7
1 < 0.1	Triton X-100			1800	9002-93-1	
1 80-95	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	-5 °C	MELTING POINT	N. Avail. °C	BOILING POINT	104 °C
	VAPOUR PRESSURE	Not Avail.	VAPOUR DENSITY (AIR = 1)	N. Avail.	SPECIFIC GRAVITY (H ₂ O = 1)	1.1
	COEFFICIENT OF WATER/OIL DISTRIBUTION	Not Appl.	EVAPORATION RATE	Not Avail.	pH AT 25 °C	5.5-8.0
	ODOUR THRESHOLD	Not Avail.	PHYSICAL STATE	GAS LIQUID PASTE SOLID POWDER X		
ODOUR AND APPEARANCE colourless solution, odourless						
FIRE & EXPLOSION DATA	FLASH POINT AND METHOD OF DETERMINATION Not available		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 150071		
	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 Ingestion: drink plenty of water.						
	Eyes: irrigate with water.						
	Skin: wash with water.						
PREVENTIVE MEASURES	RESPIRATORY PROTECTION						
	VENTILATION	LOCAL EXHAUST			SPECIAL		
		MECHANICAL (GENERAL)			OTHER		
	HAND PROTECTION			EYE PROTECTION			
	PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Flush to drain.						
	WASTE DISPOSAL METHOD						
	HANDLING PROCEDURES AND EQUIPMENT NFPA Ratings (0-4): Health:0 Flammability: 0 Reactivity: 0						
	STORAGE REQUIREMENTS						
	SPECIAL SHIPPING INFORMATION						
	PREPARATION	PREPARED BY Peter Bakker		APPROVED BY Peter Bakker			TELEPHONE (519) 941-8161
TITLE		TITLE Chemistry Manager			DATE November 5, 2009		
		<i>Peter Bakker</i>					
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