

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT Standard 1 & 2 in Sodium Standard Solutions Kits		CHEMICAL FAMILY inorganic Salt							
	PRODUCT NUMBER Part of ORION™ 181140/181141/181142		FORMULA NaCl							
	MANUFACTURER'S NAME AND ADDRESS Thermo Fisher		PRODUCT USE calibration standard							
	166 Cummings Center		EMERGENCY TELEPHONE NO. 1-800-424-9300							
	Beverly, MA 01915									
	CONTAINER SIZE AND TYPE 60 mL plastic bottle		USE AS RECEIVED		YES					
HAZARDOUS INGREDIENTS	SHIPPING NAME non-hazardous		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 < 6		sodium chloride				7647-14-5			
	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
	ODOUR AND APPEARANCE		clear, colorless, odorless solution							
	FLASH POINT AND METHOD OF DETERMINATION		N.A.			FLAMMABLE LIMITS		L.E.L.	U.E.L.	N.A.
FIRE & EXPLOSION DATA	CONDITIONS OF FLAMMABILITY		none							
	MEANS OF EXTINCTION		any							
	HAZARDOUS COMBUSTION PRODUCTS		none							
			AUTO IGNITION TEMP.		°C					
	EXPLOSION DATA		SENSITIVITY TO MECHANICAL IMPACT			none				
			SENSITIVITY TO STATIC DISCHARGE			none				
SPECIAL FIRE FIGHTING PROCEDURES		none								

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REACTIVITY	STABLE	YES	CONDITIONS TO AVOID		PRODUCT NUMBER	
	UNSTABLE				Orion 181140/181141/181142	
	INCOMPATIBILITY—MATERIALS TO AVOID None, suitable for any general storage					
	HAZARDOUS DECOMPOSITION PRODUCTS					
CONDITIONS OF REACTIVITY None						
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 Product is non-hazardous.					
	Eye contact: flush eyes with water.					
	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 Flush to drain.						
HANDLING PROCEDURES AND EQUIPMENT						
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	
			<i>Peter Bakker</i>		(519) 941-8161	
				DATE		
				November 5, 2009		
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