

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT 4 pH buffer		CHEMICAL FAMILY organic salt solution					
	PRODUCT NUMBER A1100051/A1100051-6P		FORMULA					
	MANUFACTURER'S NAME AND ADDRESS IC CONTROLS LTD.		PRODUCT USE					
	29 Centennial Rd.		EMERGENCY TELEPHONE NO. IC Controls: (519)941-8161					
	Orangeville, Ont. L9W 1R1							
	CONTAINER SIZE AND TYPE 500 mL plastic bottle		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 < 2			potassium hydrogen phthalate			877-24-7	
	1 > 98			water				
	1			coloring				
* (1) % W/W (2) % V/V (3) % g/L				** SPECIES AND ROUTE				
PHYSICAL DATA	FREEZING POINT	0 °C	MELTING POINT	N. Avail. °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	4		
	ODOUR THRESHOLD	Not Avail.	PHYSICAL STATE	GAS LIQUID PASTE SOLID POWDER X				
	ODOUR AND APPEARANCE red solution, odourless							
FIRE & EXPLOSION DATA	FLASH POINT AND METHOD OF DETERMINATION Not available			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		
	UNSTABLE				A1100051/A1100051-6P		
	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) This product poses no health hazard.						
	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.						
	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							
STORAGE REQUIREMENTS							
SPECIAL SHIPPING INFORMATION							
PREPARATION		PREPARED BY Peter Bakker		APPROVED BY Peter Bakker			
	TITLE		TITLE		TELEPHONE		
			Chemistry Manager		(519) 941-8161		
		<i>Peter Bakker</i>		DATE			
				November 5, 2009			
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