

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT 10 pH buffer		CHEMICAL FAMILY inorganic salt solution						
	PRODUCT NUMBER A1100053/A1100053-6P		FORMULA N/A						
	MANUFACTURER'S NAME AND ADDRESS IC CONTROLS LTD.		PRODUCT USE pH buffer. Use as is.						
	29 Centennial Rd. Orangeville, Ont. L9W 1R1		EMERGENCY TELEPHONE NO. IC Controls: (519)941-8161						
	CONTAINER SIZE AND TYPE 500 mL plastic bottle		USE AS RECEIVED		YES				
HAZARDOUS INGREDIENTS	SHIPPING NAME not applicable		CLASS		N/A				
	PIN N/A		WHMIS Classification Not controlled — inherently non-hazardous		PACKING GROUP N/A				
	CONCENTRATION*	HAZARDOUS	INGREDIENTS	CHEMICAL NAMES	LD ₅₀ mg/kg	LC ₅₀ **	CAS REGISTRY NO.		
	1 < 1			sodium carbonate monohydrate			497-19-8		
	1 < 1			sodium bicarbonate			144-55-8		
	1 << 1			preservative (formalin phosphate)			50-00-0		
	1 > 98			water					
	1 << 1			coloring					
PHYSICAL DATA	FREEZING POINT		0 °C	MELTING POINT		N. Appl. °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		7
	ODOUR THRESHOLD		Not Avail.	PHYSICAL STATE		GAS LIQUID PASTE SOLID POWDER		X	
	ODOUR AND APPEARANCE		blue solution, odourless						
FIRE & EXPLOSION DATA	FLASH POINT AND METHOD OF DETERMINATION				FLAMMABLE LIMITS		L.E.L.	U.E.L.	
	Not available						N. A.	N. A.	
	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								

MATERIAL SAFETY DATA SHEET

REACTIVITY	STABLE	YES	CONDITIONS TO AVOID N/A		PRODUCT NUMBER A1100053/A1100053-6P		
	UNSTABLE						
	INCOMPATIBILITY—MATERIALS TO AVOID none						
	HAZARDOUS DECOMPOSITION PRODUCTS none						
CONDITIONS OF REACTIVITY not applicable							
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) not applicable						
	EXPOSURE LIMITS not applicable						
	SENSITIZATION TO PRODUCT not applicable						
	CARCINOGENICITY not applicable						
	OTHER TOXICOLOGICAL EFFECTS none						
	EMERGENCY AND FIRST AID PROCEDURES Ingestion: drink plenty of water.						
	Eyes: irrigate with water.						
PREVENTIVE MEASURES	RESPIRATORY PROTECTION not applicable						
	VENTILATION		LOCAL EXHAUST not applicable		SPECIAL not applicable		
			MECHANICAL (GENERAL) not applicable		OTHER not applicable		
	HAND PROTECTION not applicable			EYE PROTECTION			
	PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Flush to drain.						
	WASTE DISPOSAL METHOD Flush to drain.						
	HANDLING PROCEDURES AND EQUIPMENT not applicable						
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		
<p><i>The information provided in this Material Safety Data Sheet is compiled from data currently available to us. Safe use of the materials and adoption of safety precautions are the responsibility of the user. IC CONTROLS makes no representation or warranties, either express or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, IC CONTROLS will not be responsible for damages, including consequential damages, resulting from the use of or reliance upon this information.</i></p>							