

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT 10.00 pH, Low Conductivity Buffer		CHEMICAL FAMILY dilute salt solution							
	PRODUCT NUMBER A1100218		FORMULA Na₂CO₃ / NaHCO₃							
	MANUFACTURER'S NAME AND ADDRESS IC CONTROLSTM		PRODUCT USE							
	29 Centennial Rd.		EMERGENCY TELEPHONE NO. IC Controls: (519)941-8161							
	Orangeville, Ont. L9W 1R1		Poison Info Centre: 1 800 268-9017							
	CONTAINER SIZE AND TYPE polyethylene bottle		USE AS RECEIVED	YES						
HAZARDOUS INGREDIENTS	SHIPPING NAME not regulated (DOT/IATA/TDGR)		CLASS							
	PIN	WHMIS Classification not regulated	PACKING GROUP							
	CONCENTRATION*	HAZARDOUS INGREDIENTS	CHEMICAL NAMES	LD ₅₀ mg/kg	LC ₅₀ **	CAS REGISTRY NO.				
	1	< 0.5	sodium hydrogen carbonate	4220 mg/kg		144-55-8				
	1	< 0.5	sodium carbonate	4090 mg/kg		497-19-8				
	1	< 0.1	potassium chloride	3020 mg/kg		7447-40-7				
			ORL-RAT							
1	> 99	deionized water			7732-18-5					
PHYSICAL DATA	FREEZING POINT		0 °C	MELTING POINT		N. Appl. °C	BOILING POINT		100 °C	
	VAPOUR PRESSURE		Not Avail.	VAPOUR DENSITY (AIR = 1)		1	SPECIFIC GRAVITY (H ₂ O = 1)		1	
	COEFFICIENT OF WATER/OIL DISTRIBUTION		Not Appl.	EVAPORATION RATE		Not Avail.	pH AT 25 °C		10	
	ODOUR THRESHOLD		Not Avail.	PHYSICAL STATE		GAS	LIQUID	PASTE	SOLID	POWDER
	ODOUR AND APPEARANCE		clear, colorless, odorless liquid.							
	FLASH POINT AND METHOD OF DETERMINATION		Not flammable		FLAMMABLE LIMITS		L.E.L.	N. A.		U.E.L.
FIRE & EXPLOSION DATA	CONDITIONS OF FLAMMABILITY									
	MEANS OF EXTINCTION		as appropriate to surrounding fire conditions							
	HAZARDOUS COMBUSTION PRODUCTS									
			AUTO IGNITION TEMP.		N. Appl.°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					A1100218
	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					
	As part of a good industrial and personal hygiene and safety procedure, avoid unnecessary exposure to the chemical substances. In case of contact, remove product from skin, eyes, and clothing.					
	RESPIRATORY PROTECTION					
PREVENTIVE MEASURES	VENTILATION		LOCAL EXHAUST		SPECIAL	
			MECHANICAL (GENERAL)		OTHER	
	HAND PROTECTION			EYE PROTECTION		
	PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL					
	WASTE DISPOSAL METHOD					
	If local laws permit, flush product into sewer.					
	HANDLING PROCEDURES AND EQUIPMENT					
	NFPA Rating: Health -0, Fire-0, Reactivity - 0, Specific - none.					
STORAGE REQUIREMENTS						
SPECIAL SHIPPING INFORMATION						
PREPARATION	PREPARED BY		APPROVED BY			
	Peter Bakker		Peter Bakker		TELEPHONE	
	TITLE		TITLE		(519) 941-8161	
		Peter Bakker		DATE		
November 5, 2009						
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