

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT Electrolyte I for outer chamber db. junction electrode		CHEMICAL FAMILY inorganic Salt Solution/oxidizing agent					
	PRODUCT NUMBER A1100087		FORMULA KNO ₃					
	MANUFACTURER'S NAME AND ADDRESS IC CONTROLS™		PRODUCT USE electrode fill solution					
	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 120 ml polyethylene bottle		USE AS RECEIVED					
HAZARDOUS INGREDIENTS	SHIPPING NAME Sodium Nitrate and Potassium Nitrate Mixtures		CLASS	5.1				
	PIN 1486	WHMIS Classification Class C — Oxidizing material	PACKING GROUP	III				
	CONCENTRATION*	HAZARDOUS INGREDIENTS	CHEMICAL NAMES	LD ₅₀ mg/kg	LC ₅₀ **	CAS REGISTRY NO.		
	1 10	Potassium Nitrate				7757-79-1		
PHYSICAL DATA	FREEZING POINT		Not Avail.	MELTING POINT	-1 °C	BOILING POINT	100 °C	
	VAPOUR PRESSURE		Not Avail.	VAPOUR DENSITY (AIR = 1)	N. Avail.	SPECIFIC GRAVITY (H ₂ O = 1)	1	
	COEFFICIENT OF WATER/OIL DISTRIBUTION		Not Avail.	EVAPORATION RATE	N. Avail.	pH AT 25 °C	4-9(5% sol'n)	
	ODOUR THRESHOLD		Not Avail.	PHYSICAL STATE	GAS LIQUID PASTE SOLID POWDER X			
	ODOUR AND APPEARANCE clear, odourless liquid							
FIRE & EXPLOSION DATA	FLASH POINT AND METHOD OF DETERMINATION not flammable			FLAMMABLE LIMITS	L.E.L. N. A.	U.E.L. N. A.		
	CONDITIONS OF FLAMMABILITY							
	MEANS OF EXTINCTION CO ₂ , dry chemical, water, foam							
	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				A1100087	
	INCOMPATIBILITY—MATERIALS TO AVOID					
	combustible materials HAZARDOUS DECOMPOSITION PRODUCTS					
CONDITIONS OF REACTIVITY						
HEALTH HAZARD DATA	HAZARDOUS ROUTES OF ENTRY	INHALATION	INGESTION	EYE CONTACT	SKIN CONTACT	SKIN ABSORPTION
			YES	YES	YES	
	EFFECTS OF EXPOSURE (ACUTE)					
	Harmful by contact with skin or eyes and if swallowed. Small quantity and dilution make this product low health risk when used with standard safety precautions.					
	EFFECTS OF EXPOSURE (CHRONIC)					
	EXPOSURE LIMITS					
	SENSITIZATION TO PRODUCT					
	CARCINOGENICITY					
	OTHER TOXICOLOGICAL EFFECTS					
	EMERGENCY AND FIRST AID PROCEDURES					
	Skin: wash with plenty of water. Eyes: irrigate with water for at least 15 minutes, frequently lifting eyelids. Ingestion: drink plenty of water. Do not induce vomiting. Call physician.					
	PREVENTIVE MEASURES	RESPIRATORY PROTECTION				
VENTILATION		LOCAL EXHAUST		SPECIAL		
		should not be necessary		Not Applicable		
		MECHANICAL (GENERAL)		OTHER		
		Not Applicable		Not Applicable		
HAND PROTECTION		EYE PROTECTION				
protective gloves		splash-proof goggles				
PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL						
Wash to sewer with plenty of water.						
WASTE DISPOSAL METHOD						
May be flushed to sewer with plenty of water.						
HANDLING PROCEDURES AND EQUIPMENT						
STORAGE REQUIREMENTS						
Store away from heat and combustible materials.						
SPECIAL SHIPPING INFORMATION						
PREPARATION	PREPARED BY		APPROVED BY			
	Peter Bakker		Peter Bakker			
	TITLE		TITLE		TELEPHONE	
			Chemistry Manager		(519) 941-8161	
		DATE		DATE		
		November 5, 2009				
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