

MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

Product Name: WR 8293
General/Generic Name: LITHIUM CHLORIDE SOLUTION
Product Use: LABORATORY REAGENT
TDG Hazard Classification: NOT REGULATED LIMITED QUANTITY
WHMIS Classification: D;2B

Vendor Name & Address: HOOD CHEMICAL
295 ALLIANCE ROAD #14
MILTON ON L9T 4W8
TEL: 905-876-0707

HAZARDOUS INGREDIENTS

Chemical Identity:	%W/W	TLV	CAS#	LD50	LC50
LITHIUM CHLORIDE	7 to 13	NE	7447-41-8	526mg/kg RAT	NE

PHYSICAL DATA

Physical State: LIQUID
Appearance & Odour: COLOURLESS, ODOURLESS FLUID
Odour Threshold: NA
Specific Gravity: 1.058
Vapor Pressure: AS FOR WATER
Vapor Density: AS FOR WATER
Evaporation Rate: AS FOR WATER
Initial Boiling Point: 100°C
Water Solubility: COMPLETE
Freezing Point: 0°C
pH: 5 to 6

FIRE OR EXPLOSION HAZARD

Flash Point: NONE
Flammable Limits: ND
Auto-Ignition Temp: ND
Extinguishing Media: AS FOR SURROUNDING MATERIALS
Special Firefighting Procedure: HIGH HEAT MAY CAUSE CONTAINERS TO EXPLODE
Hazardous Combustion Products: CHLORINE, HYDROGEN CHLORIDE, OXIDES OF LITHIUM
Explosion Data: NONE APPLICABLE

REACTIVITY DATA

Stability: STABLE
Incompatibility: ACIDS, BROMINE TRICHLORIDE AND TRIFLORIDE,
OXIDIZING AGENTS
Hazardous Decomposition Products: ND
Hazardous Polymerization: NA
Condition to Avoid: HIGH TEMPERATURES, SPARKS, FLAMES, CONTAMINATION

TOXICOLOGICAL PROPERTIES

Threshold Limit Value:	NE
Effects of Acute Exposure:	HARMFUL BY INHALATION, INGESTION OR SKIN ABSORPTION; TARGET ORGANS, KIDNEYS, G.I. TRACT, CENTRAL NERVOUS SYSTEM
Eye Contact:	SEVERE IRRITATION
Skin Contact:	CAUSES SEVERE IRRITATION
Skin Absorption:	HARMFUL
Inhalation:	HARMFUL. IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
Ingestion: G.I.	CAUSES IRRITATION, HEADACHE, NAUSEA, DEPRESSION, MEMORY TROUBLES, PSYCHOSIS, KIDNEY DAMAGE, COMA
Effect Of Chronic Exposure:	TREMOUR, WEAKNESS, KIDNEY AND LIVER DAMAGE, BRAIN AND HEART EFFECTS, DIGESTIVE UPSETS, DIZZINESS, NUMBNESS, CONVULSIONS, COMA. MAY CAUSE REPRODUCTIVE EFFECTS.
Irritancy Of Product:	SEVERE IRRITANT
Carcinogenicity:	ND
Sensitization to Material:	ND
Reproduction Toxicity	ND
Teratogenicity:	HIGH AMOUNTS IN ANIMALS HAVE SHOWN EFFECTS
Mutagenicity:	ND

PREVENTATIVE MEASURES

Protective Equipment To Be Used:	
Respiratory Protection:	DUST MASK
Ventilation:	FUME HOOD OR ADEQUATE MECHANICAL VENTILATION
Protective Gloves:	LATEX OR VINYL
Eye Protection:	SAFETY GLASSES, DO NOT WEAR CONTACT LENSES

SPILL OR LEAK PROCEDURES:

Steps To Be Taken In Case Material Is Released or Spilled
 CONTAIN SPILL, ABSORB AND PLACE IN CONTAINER FOR DISPOAL.
 AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE. DO NOT TOUCH SPILLED MATERIAL.

Waste Disposal Information:

DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL GOVERNMENT REGULATIONS

Handling and Storage Conditions:

KEEP CONTAINERS UPRIGHT IN A COOL, DRY PLACE, KEEP CONTAINERS CLOSED WHEN NOT IN USE.

FIRST AID MEASURES

Skin Contact:	WASH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES
Eye Contact:	RINSE THOROUGHLY WITH WATER, SEEK MEDICAL ATTENTION
Inhalation:	REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT ADMINISTER OXYGEN AND SEEK IMMEDIATE MEDICAL ATTENTION.
Ingestion:	WASH MOUTH WITH WATER, DRINK SEVERAL GLASSES OF WATER. INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

PREPARATION INFORMATION

Prepared by:	LAB PERSONNEL
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