, Material Safety Data Sheet U.S. Department of Labor May be used to comply with Occupational Safety and Health Administration OSHA's Hazard Communication Standard (Non-Mandatory Form) 29 CFR 1910.1200. Standard must be Form Approved consulted for specific requirements. OMB No. 1218-0072 IDENTITY Note: Blank spaces are not permitted. If any item is not applicable, or no Epinephrine 0.01% Solution information is available, the space must be marked to indicate that. Section I Manufacturer's Name **Emergency Telephone Number** Ward's Natural Science 800-424-9300 (CHEMTREC) Address (Number, Street, City, State, and ZIP Code) Telephone Number for Information 5100 W. Henrietta Rd. 716-359-2502 Date Prepared P.O. Box 92912 4/8/96 Signature of Preparer (Kenneth G. Rainis) Rochester, NY 14692-9012 Section II - Hazardous Ingredients/Identity Information Other Limits Hazardous Components (Specific Chemical Identity; Common Name(s)) **OSHA PEL ACGIH TLV** % Recommended L-Adrenalin CAS# 51-43-4 N/A N/A N/A 0.01 Warning May be harmful if swallowed or fatal by injection. Not for clinical use. For lab use only. Non-sterile solution. Section III - Physical/Chemical Characteristics **Boiling Point** Specific Gravity (H2O = 1) Approx. 100°C Approx. 1.0 Vapor Pressure (mm Hg) Melting Point 14mm (water) Approx. 0°C Vapor Density (AIR = 1) Evaporation rate 0.7 (water) (Butyl Acetate) <1 Solubility in Water Complete Appearance and Odor Clear, colorless liquid with no odor. Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) LEL Flammable Limits in air UEL N/A % by volume **EtOH** Extinguishing Media Water spray; carbon dioxide(CO2); dry chemical(ABC); foam. Special Firefighting Procedures N/A Wear a NIOSH-approved self-contained breathing apparatus and full protective equipment for large spills. Unusual Fire and Explosion Hazards Slight when exposed to heat or flame. Section V - Reactivity Data Stability Unstable Conditions to Avoid Excessive temperatures or heat, fire and ignition sources... Stable

Incompatibility (Materials to Avoid)

None known.

Strong oxidizers and alkaline materials.

Hazardous Decomposition or Byproducts

Hazardous	May Occur	Conditions		
Polymerization		Protect fr	om sunlight and exposure to air.	· · · · · · · · · · · · · · · · · · ·
	Will Not Occur			
	<u>L </u>	X		
Section VI -	Health Haz	ard Data		
Route(s) of Ent	ry:	Inhalation?	Skin?	Ingestion?
		Yes	Yes	Yes
	(Acute and Chr			
Orl-rat LD50	: 24mg/kg. Sc	u-rat LD50: 5 n		· · · · · · · · · · · · · · · · · · ·
Carcinogenicity	:	NTP?	IARC Monographs?	OSHA Regulated?
No No		No	No	No
Signs and Sym	ptoms of Exposi	ure		
Ingestion:	Low toxicity	if swallowed		-
Contact:	Avoid contact with skin, eyes, and mucous membranes. Contact with skin may cause allergic reaction or			
	irritation in hypersensitive individuals.			
Injection:	May be fatal by injection. Injection may cause increase in heartrate, irritability, headache, elevated blood			
	pressure, dialated pupils, and death.			
Eyes:	May cause ir	ritation on cont	ict.	
Medical Conditi	ions			
May be aggra	avated by expo	osure.		•
Emergency and	d First Aid Proce	dure		
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids.				
	Get medical attention.			
Skin:	Flush with water.			
Ingestion:	Do NOT give anything by mouth to an unconscious or very drowsy person. If conscious, have victim drink			
ingestion.	several glasses of water, induce vomiting. Call physician or Poison Control Center.			
Section VII			andling and Use	ittor conter.
		erial is Released		
•			nove all sources of ignition, provide adequate	ate ventilation. Absorb spill in
		ig, or other abso	rbent material. Place in suitable container f	or incineration, wash spill area with
soap and wat	er.			
Waste Disposa	l Method			
Dilute with o	opiou amount	s of water and	lush to sanitary sewer. Disposal may be sub	ject to Federal, State and Local
regulations.				
Other Precauti	ons:	Read label caal	efully before use. Do not wear contact lenses whe	n working with chemicals.
For lab use o	only. Not for o	drug, food, or co	smetic use. Keep out of reach of children.	_
Keep away f	rom heat, spar	ks, and flames.	Keep container tightly closed when not in	use. Remove and wash contaminated
clothing.				
Section VII	I - Control M	leasures		
Respiratory Pr	otection (Specify	/ Type)		
None needed	i			
Ventilation	Local Exhaust		Special	
	None neede	đ	No	
	Mechanical (G	eneral)	Other	
	None neede	d	No	
Protective Glo	ves			
Rubber (but)	yl/nitrile) Glov	ves		
	ve Clothing or E			
	=	*	wa wash station in along provimity, within	15
Chemical sa	fety goggles,	lab coat, apron,	eye wash station in close proximity, within	15 sec. of work station.
Chemical sa Work/Hygenic		lab coat, apron,	eye wash station in close proximity, within	13 sec. of work station.
Work/Hygenic Wear protec	Practices tive equipmen	nt. Wash hands	with soap and water following the handling dgeable in all aspects of laboratory safety. This product is inte	of this material.

Use under direct supervision of a qualified individual knowledgeable in all aspects of laboratory safety. This product is intended for lab use only. Not for drug, food, or cosmetic use.

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