MATERIAL SAFETY DATA SHEET

			SECTIO	ON 1PRODUCT IDE	ENT	TIFICATION AND	USE					
PRODUCT AURAMINE-RHODAMINE (MODIFIED) STAIN						CATALOGUE N				NUMBER: SA92		
MANUFACTURER'S NAME						SUPPLIER'S NAME						
Dalynn Biologicals Inc.						Dalynn Biologicals Inc.						
STREET ADDRESS						STREET ADDRESS						
3253 – 34 Avenue NE						3253 – 34 Avenue NE						
CITY							ROVINCE					
Calgary		Alberta				Calgary		Alberta				
POSTAL CODE			AL EMERGENCY ONLY:			POSTAL CODE			CHEMICAL EMERGENCY ONLY:			
T1Y 6X2 1-613- 5			-996-6666			T1Y 6X2			1-613-996-6666			
SECTION 2-HAZARDOUS INGREDIENTS												
HAZARDOUS INGREDIENTS			%	CAS NUMBER	(SPECIFY SPECIES AND ROL			, , , , , , , , , , , , , , , , , , ,				
Auramine O			0.28	2465-27-2	4	Oral – Mus 480 mg/kg			Not Available			
Rhodamine B			0.14	81-88-9	0)ral – Mus 887		Not Available				
Phenol			17.0	108-95-2	0	Oral – Mus 270 mg/kg			Inh – Mam 74 mg/m3			
Ethanol			23.5	64-17-5	0	Oral – Rat 7,060 mg/kg			Inh - Rat 31,623 ppm/4h			
Glycerol			19.0	56-81-5	0	Oral - Rat 12,600 mg/kg			Not Available			
				SECTION 3PH	YSI	CAL DATA			<u> </u>			
PHYSICAL STATE	ODOUR AND) APPEARAI	NCE							ODOUR THRESHOLD (ppm)		
Liquid	Orange-red liquid with aromatic odor								Not available			
VAPOUR PRESSURE (mmHg)	NSITY (AIR:	IR=1) EVAPORATION RATE			BOILING POINT (°C)			· FREEZING POINT (°C)				
Not available	lable	Not available			Not available				Not available			
рН	RAVITY	COEFF. WATER/OIL DIS			IST.							
Not available	lable		Not available)								
SECTION 4FIRE AND EXPLOSION DATA												
FLAMMABLE YES [X] NO [] IF YES, UNDER Possibility of ignition if exposed to sparks or an open flame WHICH CONDITIONS?												
MEANS OF EXTINCTION Water spray carbon dioxide	dry chem	ical now	der oran	nronriate foam								
Water spray, carbon dioxide, dry chemical powder, or appropriate foam FLASHPOINT (°C) AND METHOD UPPER FLAMMABLE LIMIT (% BY VOLUME) LOWER FLAMMABLE LIMIT (% BY VOLUME)										ABLE LIMIT (% BY VOLUME)		
· ·			ot availab		,,				available			
			AZARDOUS CO	OMBUSTION PRODUCTS	S							
Not available										ide gas		
EXPLOSION SENSITIVITY TO DATA ➤	SENSITIVITY TO STATIC DISCHARGE											
Not availab	Not availab				e							
				SECTION 5—REA	ACT	IVITY DATA						
CHEMICAL STABILITY												
[]	O, UNDER ICH CONDITIO	⊳ NS?										
INCOMPATIBILITY WITH OTHER SUBSTA	NCES											
YES [X] NO [] IF SO, WHICH ONES? Strong oxidizing agents, strong reducing agents, and strong acids												
REACTIVITY, AND UNDER WHAT CONDITIONS												
Not available												
HAZARDOUS DECOMPOSITION PRODUC												
Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides												

PRODUCT AURAMINE-RHODAMINE (MODIFIED) STAIN IDENTIFIER												
>												
SECTION 8TOXICOLOGICAL PROPERTIES												
ROUTE OF ENTRY SKIN CONTACT [X]	SKIN ABSORPTION	[X]	EYE CONTACT	[X]	INHALATION	[X]	INGESTION	[X]				
EFFECTS OF ACUTE EXPOSURE TO PRODUCT												
Causes irritation on contact with skin, or eyes. May result in permanent damage to eyes including blindness.												
The presence of phenol makes the product extremely destructive to mucous membranes and inhalation may cause death as a result of spasm, inflammation and edema. Symptoms may include a burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache and nausea.												
Ingestion may result in circulatory collapse, paralysis, convulsions, coma, jaundice, and death. The ethanol contained in this product is not suitable for human consumption; ingestion of this product may result in blindness or death.												
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT												
Some components of this product have shown carcinogenic, mutagenic effects and fetotoxicity.												
To the best of our knowledge the chronic toxicological effects of this product have not been thoroughly investigated.												
EXPOSURE LIMITS	IRRITANCY OF PRO	DUCT	SENSI	TISATION TO	PRODUCT		CARCINOGENICITY					
Not available	Yes	Not available			Possible	Possible						
TERATOCENCITY	REPRODUCTIVE TO	YICITY		MUTAGENIC	:ITV		SYNERGISTIC PRO	DUCTS				
Possible	Not available	Aloni	Possible	MOTAGENIO	4111		Not available					
	TOT UTUING		1 0001310			- Indiana						
SECTION 7PREVENTIVE MEASURES												
PERSONAL PROTECTIVE EQUIPMENT:												
Wear appropriate protective clothing! Safety glasses, chemical resistant gloves, and laboratory coat.												
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)												
Local exhaust or chemical fume h	ood.											
LEAK AND SPILL PROCEDURE												
Take up with an absorbent and co	ntainerize for proper s	storage. Aft	ter pick-up of m	naterial is	complete wash	n spill site ar	nd ventilate ar	rea.				
WASTE DISPOSAL												
Mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Follow local, provincial and federal regulations												
HANDLING PROCEDURES AND EQUIPMENT												
Avoid direct or prolonged contact.												
STORAGE REQUIREMENTS												
Store at room temperature and avoid exposure to light.												
SPECIAL SHIPPING INFORMATION												
Double pack in isolated container.												
		SECTION	8FIRST AID MEA	SURES								
In case of contact with eyes or skin, immediately flush eyes or skin with copious amounts of water for at least 15 minutes. If inhaled, remove patient to fresh air and administer an approved oxygen supply if breathing is difficult. If ingested, do not induce vomiting and give a large quantity of water provided patient is conscious. Seek medical attention.												
		SECTION 9-	-PREPARATION	OF MSDS								
PREPARED BY (GROUP, DEPT, ETC.)		PHONE NUMB	ER		DATE							
Technical Department (403) 291-0067 2014 April Dalynn Biologicals Inc.												