

MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER > AURAMINE-RHODAMINE COUNTERSTAIN (1% MALACHITE GREEN)			CATALOGUE NUMBER: SA94	
MANUFACTURER'S NAME Dalynn Biologicals Inc.		SUPPLIER'S NAME Dalynn Biologicals Inc.		
STREET ADDRESS 3253 - 34 Avenue NE		STREET ADDRESS 3253 - 34 Avenue NE		
CITY Calgary	PROVINCE Alberta	CITY Calgary	PROVINCE Alberta	
POSTAL CODE T1Y 6X2	CHEMICAL EMERGENCY ONLY: 1-613-996-6666	POSTAL CODE T1Y 6X2	CHEMICAL EMERGENCY ONLY: 1-613-996-6666	
SECTION 2--HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY INGREDIENT)
Malachite green oxalate	1.0	2437-29-8	Orl - Rat 275 mg/kg	Not available
SECTION 3--PHYSICAL DATA				
PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Odorless, green liquid			ODOUR THRESHOLD (ppm) Not available
VAPOUR PRESSURE (mmHg) Not available	VAPOUR DENSITY (AIR=1) Not available	EVAPORATION RATE Not available	BOILING POINT (°C) Not available	FREEZING POINT (°C) Not available
pH Not available	SPECIFIC GRAVITY Not available	COEFF. WATER/OIL DIST. Not available		
SECTION 4--FIRE AND EXPLOSION DATA				
FLAMMABLE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? >				
MEANS OF EXTINGUISHMENT Water spray, CO₂, dry chemical powder				
FLASHPOINT (°C) AND METHOD Not available		UPPER FLAMMABLE LIMIT (% BY VOLUME) Not available		LOWER FLAMMABLE LIMIT (% BY VOLUME) Not available
AUTOIGNITION TEMPERATURE (°C) Not available		HAZARDOUS COMBUSTION PRODUCTS Toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides		
EXPLOSION DATA >	SENSITIVITY TO IMPACT Not available		SENSITIVITY TO STATIC DISCHARGE Not available	
SECTION 5--REACTIVITY DATA				
CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS? >				
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF SO, WHICH ONES? > Strong oxidizing agents				
REACTIVITY, AND UNDER WHAT CONDITIONS Not available				
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide, nitrogen oxides				

PRODUCT		AURAMINE-RHODAMINE COUNTERSTAIN (1% MALACHITE GREEN)	
IDENTIFIER >			
SECTION 6--TOXICOLOGICAL PROPERTIES			
ROUTE OF ENTRY			
SKIN CONTACT	[X]	SKIN ABSORPTION	[X]
EYE CONTACT	[X]	INHALATION	[X]
INGESTION	[X]		
EFFECTS OF ACUTE EXPOSURE TO PRODUCT			
<p>Harmful if swallowed. May be harmful if absorbed through the skin. Causes skin and eye irritation on contact May be irritating to mucous membranes and upper respiratory tract if inhaled. Given the diluted nature of this product the harmful effects from accidental exposure to this product is considered to be minimal.</p>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<p>May affect central nervous system and gastrointestinal tract. Behavioral changes also noted. Full extent of chronic toxicity is not available.</p>			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITISATION TO PRODUCT	CARCINOGENICITY
Not available	Yes	Not available	Not available
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
Not available	Not available	Not available	Not available
SECTION 7--PREVENTIVE MEASURES			
PERSONAL PROTECTIVE EQUIPMENT:			
Wear appropriate protective clothing! Safety glasses, gloves and laboratory coat to minimize skin exposure.			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
Local exhaust			
LEAK AND SPILL PROCEDURE			
Take up with an absorbent and containerize appropriately. Dispose of with regular garbage.			
WASTE DISPOSAL			
According to local, provincial and federal regulations.			
HANDLING PROCEDURES AND EQUIPMENT			
Avoid direct contact. Wash thoroughly after handling.			
STORAGE REQUIREMENTS			
Store at room temperature and avoid exposure to light.			
SPECIAL SHIPPING INFORMATION			
Double pack in isolated container.			
SECTION 8--FIRST AID MEASURES			
<p>In case of contact with eyes, rinse immediately with copious amounts of water for at least 15 minutes. In case of contact with skin, wash with soap and plenty of water. Remove contaminated clothing and wash before reuse. If ingested, do not induce vomiting. If conscious, rinse mouth with water and consult a physician. Seek medical attention if feeling unwell.</p>			
SECTION 9--PREPARATION OF MSDS			
PREPARED BY (GROUP, DEPT, ETC.)	PHONE NUMBER	DATE	
Technical Department Dalynn Biologicals Inc.	(403) 291-0067	2014 April	