

# MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER > <b>CARBOL FUCHSIN COUNTERSTAIN (BRILLIANT GREEN)</b>			CATALOGUE NUMBER: <b>SC35</b>	
MANUFACTURER'S NAME <b>Dalynn Biologicals Inc.</b>		SUPPLIER'S NAME <b>Dalynn Biologicals Inc.</b>		
STREET ADDRESS <b>3253 - 34 Avenue N.E.</b>		STREET ADDRESS <b>3253 - 34 Avenue N.E.</b>		
CITY <b>Calgary</b>	PROVINCE <b>Alberta</b>	CITY <b>Calgary</b>	PROVINCE <b>Alberta</b>	
POSTAL CODE <b>T1Y 6X2</b>	CHEMICAL EMERGENCY ONLY: <b>1-613-996-6666</b>	POSTAL CODE <b>T1Y 6X2</b>	CHEMICAL EMERGENCY ONLY: <b>1-613-996-6666</b>	
SECTION 2--HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY INGREDIENT)
<b>Brilliant Green</b>	<b>1.0</b>	<b>633-03-4</b>	<b>Oral - Rat 313 mg/kg</b>	<b>Not Available</b>
<b>Water</b>	<b>99.0</b>	<b>7732-18-5</b>	<b>Not Available</b>	<b>Not Available</b>
SECTION 3--PHYSICAL DATA				
PHYSICAL STATE <b>Liquid</b>	ODOUR AND APPEARANCE <b>Dark, greenish-blue liquid, with no odor</b>			ODOUR THRESHOLD (ppm) <b>Not available</b>
VAPOUR PRESSURE (mmHg) <b>Not available</b>	VAPOUR DENSITY (AIR=1) <b>Not available</b>	EVAPORATION RATE <b>Not available</b>	BOILING POINT (°C) <b>-100</b>	FREEZING POINT (°C) <b>Not available</b>
pH <b>Not available</b>	SPECIFIC GRAVITY <b>Not available</b>	COEFF. WATER/OIL DIST. <b>Not available</b>		
SECTION 4--FIRE AND EXPLOSION DATA				
FLAMMABLE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? > <b>Non-flammable due to the high content of water in this product</b>				
MEANS OF EXTINCTION <b>Water spray, carbon dioxide, dry chemical powder, appropriate foam.</b>				
FLASHPOINT (°C) AND METHOD <b>Not available</b>		UPPER FLAMMABLE LIMIT (% BY VOLUME) <b>Not available</b>	LOWER FLAMMABLE LIMIT (% BY VOLUME) <b>Not available</b>	
AUTOIGNITION TEMPERATURE (°C) <b>Not available</b>		HAZARDOUS COMBUSTION PRODUCTS <b>Carbon monoxide, carbon dioxide</b>		
EXPLOSION DATA > SENSITIVITY TO IMPACT <b>No</b>		SENSITIVITY TO STATIC DISCHARGE <b>No</b>		
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? > <b>Strong oxidizing agents</b>				
REACTIVITY, AND UNDER WHAT CONDITIONS <b>Not available</b>				
HAZARDOUS DECOMPOSITION PRODUCTS <b>Toxic fumes of carbon monoxide, carbon dioxides</b>				

PRODUCT IDENTIFIER > <b>CARBOL FUCHSIN COUNTERSTAIN (BRILLIANT GREEN)</b>			
<b>SECTION 6—TOXICOLOGICAL PROPERTIES</b>			
ROUTE OF ENTRY			
SKIN CONTACT	[X]	SKIN ABSORPTION	[X]
EYE CONTACT	[X]	INHALATION	[X]
INGESTION	[X]		
EFFECTS OF ACUTE EXPOSURE TO PRODUCT			
<p><b>Inhalation: No adverse health effects expected from inhalation. May cause a short period of rapid or difficult breathing.</b></p> <p><b>Ingestion: May cause nausea, vomiting, diarrhea, and gastritis.</b></p> <p><b>Skin Contact: Not expected to be a health hazard from skin exposure. Brilliant green may color the skin green and cause slight irritation.</b></p> <p><b>Eye Contact: May cause irritation on contact.</b></p> <p><b>No major health effects are expected as 99% of this product is water.</b></p>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<p><b>To the best of our knowledge the chronic toxicological effects of this product have not been thoroughly investigated.</b></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
<b>SECTION 7—PREVENTIVE MEASURES</b>			
PERSONAL PROTECTIVE EQUIPMENT:			
<p><b>Wear appropriate protective clothing: Safety glasses, chemical resistant gloves, and laboratory coat.</b></p>			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
<p><b>Local exhaust or chemical fume hood</b></p>			
LEAK AND SPILL PROCEDURE			
<p><b>Wearing chemical resistant gloves soak up with absorbent or paper towels and containerize appropriately. Ventilate area and wash spill site after material has been containerized. Container maybe disposed of with regular waste.</b></p>			
WASTE DISPOSAL			
<p><b>According to local, provincial and federal regulations</b></p>			
HANDLING PROCEDURES AND EQUIPMENT			
<p><b>Avoid direct contact. Wash thoroughly after handling.</b></p>			
STORAGE REQUIREMENTS			
<p><b>Store away from direct light.</b></p>			
SPECIAL SHIPPING INFORMATION			
<p><b>None.</b></p>			
<b>SECTION 8—FIRST AID MEASURES</b>			
<p><b>Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.</b></p> <p><b>Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.</b></p> <p><b>Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.</b></p> <p><b>Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.</b></p> <p><b>Seek medical attention if feeling unwell.</b></p>			
<b>SECTION 9—PREPARATION OF MSDS</b>			
PREPARED BY (GROUP, DEPT, ETC.)	PHONE NUMBER	DATE	
Technical Department Dalynn Biologicals Inc.	(403) 291-0067	2014 October	