

# MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER > <b>Brilliant Green Solution [5%]</b>			CATALOGUE NUMBER: <b>BB81</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>5.0</b>	<b>633-03-4</b>	<b>Oral - Rat 313 mg/kg</b>	<b>Not available</b>
<b>Water</b>	<b>95.0</b>	<b>7732-18-5</b>	<b>None</b>	<b>None</b>
SECTION 3--PHYSICAL DATA				
PHYSICAL STATE <b>Liquid</b>	ODOUR AND APPEARANCE <b>Green 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>Not available</b>	FREEZING POINT (°C) <b>Not available</b>
PH <b>6.0 - 7.5</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, major constituent is water</b>				
MEANS OF EXTINCTION <b>Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.</b>				
FLASHPOINT (°C) AND METHOD <b>Not applicable</b>		UPPER FLAMMABLE LIMIT (% BY VOLUME) <b>Not applicable</b>		LOWER FLAMMABLE LIMIT (% BY VOLUME) <b>Not applicable</b>
AUTOIGNITION TEMPERATURE (°C) <b>Not applicable</b>		HAZARDOUS COMBUSTION PRODUCTS <b>Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, ammonia</b>		
EXPLOSION DATA > <b>Not applicable</b>		SENSITIVITY TO STATIC DISCHARGE <b>Not applicable</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 and reducing agents</b>				
REACTIVITY, AND UNDER WHAT CONDITIONS <b>Not available</b>				
HAZARDOUS DECOMPOSITION PRODUCTS <b>Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, ammonia</b>				

PRODUCT IDENTIFIER >		<b>Brilliant Green Solution [5%]</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>May cause irritation to eyes on contact. Symptoms include redness, itching, and pain.</b></p> <p><b>May cause irritation to skin. Will stain skin green on contact, may cause itching.</b></p> <p><b>Harmful if swallowed or inhaled. Ingestion or inhalation may cause nausea, vomiting, headaches, dizziness, and GI irritation.</b></p>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<b>The chronic toxicity of this product has not been fully investigated.</b>			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITISATION TO PRODUCT	CARCINOGENICITY
<b>Not available</b>	<b>Yes</b>	<b>Not available</b>	<b>No</b>
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
<b>No</b>	<b>No</b>	<b>No</b>	<b>Not available</b>
<b>SECTION 7--PREVENTIVE MEASURES</b>			
PERSONAL PROTECTIVE EQUIPMENT:			
<b>Wear appropriate protective clothing including lab coat, gloves, and safety glasses.</b>			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
<b>None needed.</b>			
LEAK AND SPILL PROCEDURE			
<b>Take up with an absorbent and containerize appropriately. Dispose of with regular waste.</b>			
WASTE DISPOSAL			
<b>According to local, provincial and federal regulations.</b>			
HANDLING PROCEDURES AND EQUIPMENT			
<b>Avoid direct and prolonged contact. Wash thoroughly after handling.</b>			
STORAGE REQUIREMENTS			
<b>Store as indicated.</b>			
SPECIAL SHIPPING INFORMATION			
<b>Non-hazardous for ground or air transport.</b>			
<b>SECTION 8--FIRST AID MEASURES</b>			
<p><b>In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes.</b></p> <p><b>In case of contact with skin, wash with soap and plenty of water.</b></p> <p><b>If inhaled, remove patient to fresh air and administer oxygen if breathing is difficult.</b></p> <p><b>If swallowed, do not induce vomiting, guard against aspiration into lungs.</b></p> <p><b>In all cases seek medical attention.</b></p>			
<b>SECTION 9--PREPARATION OF MSDS</b>			
PREPARED BY (GROUP, DEPT, ETC.)	PHONE NUMBER	DATE	
<b>Technical Department Dalynn Biologicals Inc.</b>	<b>(403) 291-0067</b>	<b>2014 October</b>	