

# MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER <b>INDOXYL ACETATE DISKS</b>			CATALOGUE NUMBER: <b>DI40</b>	
MANUFACTURER'S NAME Dalynn Biologicals Inc.		SUPPLIER'S NAME Dalynn Biologicals Inc.		
STREET ADDRESS 3253 – 34 Avenue N.E.		STREET ADDRESS 3253 – 34 Avenue N.E.		
CITY Calgary	PROVINCE Alberta	CITY Calgary	PROVINCE Alberta	
POSTAL CODE T1Y 6X2	<b>CHEMICAL EMERGENCY ONLY:</b> <b>1-613-996-6666</b>	POSTAL CODE T1Y 6X2	<b>CHEMICAL EMERGENCY ONLY:</b> <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>Indoxyl Acetate</b>	<b>5</b>	<b>7757-79-1</b>	<b>Intrap – Mouse 600 mg/kg</b>	<b>Not available</b>
SECTION 3—PHYSICAL DATA				
PHYSICAL STATE <b>Solid</b>	ODOUR AND APPEARANCE <b>Odorless, white disk</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>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 checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? <b>Open flame</b>				
MEANS OF EXTINCTION <b>Water spray, CO<sub>2</sub>, dry chemical powder or 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>Toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides</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? <b> </b>				
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF SO, WHICH ONES? <b>Oxidizing agents</b>				
REACTIVITY, AND UNDER WHAT CONDITIONS <b>Not available</b>				
HAZARDOUS DECOMPOSITION PRODUCTS <b>Carbon monoxide, carbon dioxide, nitrogen oxides</b>				

PRODUCT <b>INDOXYL ACETATE DISKS</b>			
IDENTIFIER >			
<b>SECTION 6--TOXICOLOGICAL PROPERTIES</b>			
ROUTE OF ENTRY			
SKIN CONTACT <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/>			
EFFECTS OF ACUTE EXPOSURE TO PRODUCT			
<b>The disk substrate indoxyl acetate is a known irritant. May cause skin or eye irritation on contact. Maybe harmful is swallowed, but given the small amount of the substrate contained on the disk little or no side effects are expected.</b>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<b>The chronic toxicological properties of this product have not been thoroughly investigated.</b>			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITISATION TO PRODUCT	CARCINOGENICITY
<b>Not available</b>	<b>Yes</b>	<b>Not available</b>	<b>Not available</b>
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
<b>Not available</b>	<b>Not available</b>	<b>Not available</b>	<b>Not available</b>
<b>SECTION 7--PREVENTIVE MEASURES</b>			
PERSONAL PROTECTIVE EQUIPMENT:			
<b>Wear appropriate protective clothing: Safety glasses, gloves, and laboratory coat.</b>			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
<b>None.</b>			
LEAK AND SPILL PROCEDURE			
<b>Wearing gloves collect disks and containerize appropriately. Throw out with regular waste.</b>			
WASTE DISPOSAL			
<b>Inoculated disks should be sterilized or autoclaved prior to disposal.</b>			
HANDLING PROCEDURES AND EQUIPMENT			
<b>Avoid direct contact. Wash thoroughly after handling.</b>			
STORAGE REQUIREMENTS			
<b>Refrigerate upon arrival. Keep product is the dark as the chemical indoxyl acetate is light sensitive.</b>			
SPECIAL SHIPPING INFORMATION			
<b>None.</b>			
<b>SECTION 8—FIRST AID MEASURES</b>			
<b>In case of contact with eyes, rinse immediately with copious amounts of water for at least 15 minutes.</b>			
<b>In case of contact with skin, wash with soap and plenty of water.</b>			
<b>If swallowed, wash mouth out with water providing person is conscious and seek medical attention.</b>			
<b>Seek medical attention if feeling ill.</b>			
<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	