

# MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER > <b>FILDES ENRICHMENT</b>			CATALOGUE NUMBER: <b>VF50</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>Pepsin</b>	<b>0.5</b>	<b>9001-75-6</b>	<b>Not available</b>	<b>Not available</b>
<b>Defibrinated Sheep Blood</b>	<b>25.0</b>	<b>Not available</b>	<b>Not available</b>	<b>Not available</b>
<b>Water</b>	<b>74.4</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>Viscous dark red-brown liquid with characteristic 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 (°F) <b>Not available</b>	FREEZING POINT (°F) <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>Minimal fire hazard as main ingredient is water</b>				
MEANS OF EXTINGUISHMENT <b>Carbon dioxide, dry chemical powder, alcohol foam, or water spray.</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 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 type="checkbox"/> NO <input checked="" type="checkbox"/> IF SO, WHICH ONES? >				
REACTIVITY, AND UNDER WHAT CONDITIONS <b>Not applicable</b>				
HAZARDOUS DECOMPOSITION PRODUCTS <b>No hazardous decomposition products known.</b>				

PRODUCT IDENTIFIER >		<b>FILDES ENRICHMENT</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>Eye: May cause eye irritation.</b>  <b>Skin: May cause skin irritation.</b>  <b>Ingestion: May be harmful if swallowed.</b>  <b>Inhalation: May be harmful if inhaled.</b>  <b>Due to the presence of animal products (sheep blood); contact is not recommended. This product is sterile and no negative health effects are expected upon exposure.</b></p>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<b>The chronic toxicological effects of exposure to this product have not been thoroughly investigated.</b>			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITISATION TO PRODUCT	CARCINOGENICITY
Not available	Possible	Not available	No available
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
Not available	Not available	Not available	Not available
<b>SECTION 7—PREVENTIVE MEASURES</b>			
PERSONAL PROTECTIVE EQUIPMENT:			
<b>As a precaution wear appropriate protective clothing: Chemical resistant gloves, safety goggles, lab coat or other appropriate clothing that covers arms and other open body parts.</b>			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
<b>None required.</b>			
LEAK AND SPILL PROCEDURE			
<b>Wearing gloves and safety glasses. Soak liquid using absorbent or paper towels; containerize. Dispose of with regular garbage.</b>			
WASTE DISPOSAL			
<b>According to local, provincial and federal regulations</b>			
HANDLING PROCEDURES AND EQUIPMENT			
<b>Avoid direct contact. Wash thoroughly after handling.</b>			
STORAGE REQUIREMENTS			
<b>Keep at refrigerated temperatures.</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 with copious amounts of water for at least 15 minutes.</b>  <b>In case of contact with skin, wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing.</b>  <b>If swallowed, wash mouth out repeatedly with water provided person is conscious.</b>  <b>If inhaled remove patient to fresh air and administer approved oxygen supply if breathing is difficult.</b>  <b>Seek medical attention.</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	