MATERIAL SAFETY DATA SHEET

			SEC	TION	1-PRODUCT IDE	NTIFICATION A	ND USE					
PRODUCT IDENTIFIER > ETHYLENE GL		CATALOGUE N			NUMBER	NUMBER: BE85						
MANUFACTURER'S NAME		SUPPLIER'S NAME										
Dalynn Biologicals Inc.						Dalynn Biologicals Inc.						
STREET ADDRESS						STREET ADDRESS						
3253 - 34 Avenue N.E.						3253 - 34 Avenue N.E.						
CITY PROVINCE						CITY PROVINCE						
Calgary	Alberta				Calgary			Alberta				
POSTAL CODE CHEMIC			ICAL EMERGENCY ONLY:			POSTAL CODE			CHEMICAL EMERGENCY ONLY:			
T1Y 6X2 1-613			3-996-6666			T1Y 6X2			1-613-996-6666			
SECTION 2—HAZARDOUS INGREDIENTS												
HAZARDOUS INGREDI		%		CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)			LC₅ OF INGREDIENT (SPECIFY INGREDIENT)				
Ethylene glycol			>95 10		107-21-1	Orl - Rat 4,700 mg/kg			Not available			
						Derm – Rbt 10,626 mg/kg		1				
SECTION 3—PHYSICAL DATA												
PHYSICAL STATE	ODOUR AND	APPEARA	NCE						ODOUR THRESHOLD			
Liquid Clear, colorles			ss liquid with no odor							Not available		
VAPOUR PRESSURE (mmHg) VAPOUR DENSITY (A			AIR=1) EVAPORATION RATE				BOILING POINT (°C)			FREEZING POINT (°C)		
0.10 @ 20°C 2.14			Not available			196 - 198				-13		
PH	SPECIFIC GI	RAVITY		C	OEFF. WATER/OIL D	ST.						
Not available	1.017 @	20°C	Not available									
	SECTION 4—FIRE AND EXPLOSION DATA											
FLAMMABLE												
YES [X] NO [] IF YES, UNDER > Minimal fire hazard WHICH CONDITIONS?												
MEANS OF EXTINCTION												
Water spray, CO2, dry cher	nical, dry	sand, a	alcohol-re	esist	ant foam.							
FLASHPOINT (°C) AND METHOD			PPER FLAMMA	ABLE L	IMIT (% BY VOLUME	()		LOWER	R FLAMMABLE LIMIT (% BY VOLUME)			
111 (closed cup)			5.3				3.2					
AUTOIGNITON TEMPERATURE (°C)	H	HAZARDOUS COMBUSTION PRODUCTS										
400		C	arbon mo	onox	ide, carbon di	oxide						
EXPLOSION SENSITIVITY TO IMPACT						SENSITIVITY TO STATIC DISCHARGE						
DATA ➤ No					No	No						
140					SECTION 5—REA							
CHEMICAL STABILITY				· ·	SECTION S—NEA	CIIVIII DAIA						
	O, UNDER	>										
	CH CONDITIO											
INCOMPATIBILITY WITH OTHER SUBSTAI	NCES											
YES [X] NO [] IF SO, WHICH ONES? Strong oxidizing agents, strong bases, aldehydes, aluminum												
REACTIVITY, AND UNDER WHAT CONDITIONS												
Not available HAZARDOUS DECOMPOSITION PRODUCTS												
Carbon dioxide, carbon mo	noxide											

PRODUCT IDENTIFIER >	ETHYL ACE	ΓAΤΕ										
SECTION 6—TOXICOLOGICAL PROPERTIES												
ROUTE OF ENTRY												
	SKIN CONTACT	[X]	SKIN ABSORPTION	[X]	EYE CONTACT	[X]	INHALATION	[X]	INGESTION	[X]		
EFFECTS OF ACUTE EX	POSURE TO PROD	UCT										
	e irritation or	contact	t. Symptoms may incl			ing. May	be harmful i	f absorbed	l through skir	1.		
Inhalation: May be harmful if inhaled. May cause irritation to respiratory tract. Ingestion: May be toxic if ingested. When ingested early symptoms mimic alcohol inebriation and are followed by nausea, vomiting,												
abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary edema,												
			tabolic acidosis. With			ay occur	in 8 to 24 ho	urs. Victim	ns who surviv	e the initial		
toxicity period usually develop renal failure along with brain and liver damage. EFFECTS OF CHRONIC EXPOSURE TO PRODUCT												
The chronic toxicological effects of exposure to this product have not been thoroughly investigated.												
	EXPOSURE LIMITS IRRITANCY OF PROD					PRODUCT		CARCINOGENICITY				
Not available			Yes		Not availabl	е		Not ava	Not available			
TERA	ATOGENICITY	GENICITY REPRODUCTIVE TOXICITY				MUTAGENIO	CITY		SYNERGISTIC PRODUCTS			
Not available			Not available		Not available	е		Not ava	ailable			
			SECTION	ON 7—PR	EVENTIVE MEASU	RES						
PERSONAL PROTECTIV	PERSONAL PROTECTIVE EQUIPMENT:											
Wear appropriate protective clothing: Chemical resistant gloves, safety goggles, lab coat or other appropriate clothing that covers arms and												
other open body parts.												
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)												
Use in area with adequate ventilation or in chemical fume hood. LEAK AND SPILL PROCEDURE												
Soak up with inert absorbent material. Keep in suitable, closed containers and dispose of as hazardous waste. Ventilate area and wash spill site after material pickup is complete.												
WASTE DISPOSAL According to local, provincial and federal regulations. Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed												
disposal compa		T										
Avoid direct cor	ntact. Wash t	horough	ly after handling.									
STORAGE REQUIREMEN	NTS		, , , , , , , , , , , , , , , , , , , 									
None.												
SPECIAL SHIPPING INFO	ORMATION											
UN number: 308	32 Class: 9 Pa	acking g	roup: III									
	SECTION 8—FIRST AID MEASURES											
In case of conta			th copious amounts of the copious amounts of				emove contan	ninated clo	thing and was	h before		
wearing.	ish mouth ou	t ronostc	adly with water provide	d nareni	n ie conecioue							
If swallowed, wash mouth out repeatedly with water provided person is conscious. If inhaled remove patient to fresh air and administer approved oxygen supply if breathing is difficult.												
Seek medical attention if feeling unwell. SECTION 9PREPARATION OF MSDS												
			SECTI			SDS	,					
PREPARED BY (GROUP				PHONE N				TE				
	Technical Department Dalynn Biologicals Inc.					91-0067			2014 October			