

MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER > MODIFIED SAF TRANSPORT MEDIUM			CATALOGUE NUMBER: F05	
MANUFACTURER'S NAME Dalynn Biologicals Inc.		SUPPLIER'S NAME Dalynn Biologicals Inc.		
STREET ADDRESS 3253 - 34 Ave N.E.		STREET ADDRESS 3253 - 34 Ave N.E.		
CITY Calgary	PROVINCE Alberta	CITY Calgary	PROVINCE Alberta	
POSTAL CODE T1Y 6X2	CHEMICAL EMERGENCY ONLY: 1-613-996-6666	POSTAL CODE T1Y 6X2	CHEMICAL EMERGENCY ONLY: 1-613-996-6666	
SECTION 2--HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY INGREDIENT)
Formaldehyde	4.0	50-00-0	Oral-Mus 42 mg/kg	Inh-Rat 590 mg/kg
Acetic Acid	2.0	64-19-7	Oral-Rat 3310 mg/kg	Inh-Rat 16000 ppm/4h
SECTION 3--PHYSICAL DATA				
PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Pungent odor; colourless liquid			ODOUR THRESHOLD (ppm) Not available
VAPOUR PRESSURE (mmHg) Not available	VAPOUR DENSITY (AIR=1) Not available	EVAPORATION RATE Not available	BOILING POINT (°C) Not available	FREEZING POINT (°C) Not available
pH ~4.5	SPECIFIC GRAVITY Not available	COEFF. WATER/OIL DIST. Not available		
SECTION 4--FIRE AND EXPLOSION DATA				
FLAMMABLE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? > Minimal fire hazard as main component is water				
MEANS OF EXTINCTION Dry chemical, carbon dioxide, or water spray				
FLASHPOINT (°C) AND METHOD Not available		UPPER FLAMMABLE LIMIT (% BY VOLUME) Not available	LOWER FLAMMABLE LIMIT (% BY VOLUME) Not available	
AUTOIGNITION TEMPERATURE (°C) Not available		HAZARDOUS COMBUSTION PRODUCTS Carbon dioxide, carbon monoxide		
EXPLOSION DATA >	SENSITIVITY TO IMPACT No		SENSITIVITY TO STATIC DISCHARGE No	
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? > Strong acids and bases, oxidizers, isocyanates, phenol, anhydrides, hydrochloric acid, perchloric acid, nitromethane, aniline, peroxyformic acid				
REACTIVITY, AND UNDER WHAT CONDITIONS Not available				
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide, formic acid				

PRODUCT		MODIFIED SAF TRANSPORT MEDIUM	
IDENTIFIER >			
SECTION 6--TOXICOLOGICAL PROPERTIES			
ROUTE OF ENTRY			
SKIN CONTACT	[X]	SKIN ABSORPTION	[X]
EYE CONTACT	[X]	INHALATION	[X]
INGESTION	[X]		
EFFECTS OF ACUTE EXPOSURE TO PRODUCT			
<p>Causes skin irritation on contact; allergic dermatitis.</p> <p>Ingestion and inhalation may cause pulmonary edema, headache, dizziness, nausea, vomiting, abdominal pain, blindness. This product contains formaldehyde a poison which may cause death if swallowed or absorbed in sufficient quantity. The diluted nature of this product makes the more serious effects from exposure less likely.</p> <p>Eye contact may cause severe eye irritation and burns and permanent damage depending on duration.</p>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<p>Respiratory damage upon prolonged exposure to formaldehyde.</p> <p>Formaldehyde is a potential carcinogen. Given the low concentration of formaldehyde in this product the danger associated with contact is minimized, but prolonged and direct contact is not recommended.</p>			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITISATION TO PRODUCT	CARCINOGENICITY
Not available	Yes	Possible	Possible
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
Not available	Not available	Not available	Not available
SECTION 7--PREVENTIVE MEASURES			
PERSONAL PROTECTIVE EQUIPMENT:			
Wear appropriate protective clothing; rubber gloves, lab coat, and safety glasses to cover all open skin.			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
Local exhaust			
LEAK AND SPILL PROCEDURE			
Wearing proper safety clothing including rubber gloves and safety glasses; take up with an absorbent and containerize appropriately in a leak proof container. Hold for disposal.			
WASTE DISPOSAL			
According to local, provincial and federal regulations			
HANDLING PROCEDURES AND EQUIPMENT			
Avoid direct contact. Wash thoroughly after handling.			
STORAGE REQUIREMENTS			
Store at room temperature.			
SPECIAL SHIPPING INFORMATION			
None			
SECTION 8--FIRST AID MEASURES			
<p>In case of contact with eyes, rinse immediately with copious amounts of water for a minimum of 15 minutes.</p> <p>In case of contact with skin, wash with soap and plenty of water for a minimum of 15 minutes.</p> <p>If swallowed, wash mouth out with water. Do not induce vomiting. Dilute, inactivate or absorb the ingredients by giving milk or water assuming patient is conscious.</p> <p>In all the above instances seek medical attention after.</p>			
SECTION 9--PREPARATION OF MSDS			
PREPARED BY (GROUP, DEPT, ETC.)	PHONE NUMBER	DATE	
Technical Department Dalynn Biologicals Inc.	(403) 291-0067	2014 January	