

MATERIAL SAFETY DATA SHEET

SECTION 1—PRODUCT IDENTIFICATION AND USE				
PRODUCT IDENTIFIER > Cefsulodin Supplement			CATALOGUE NUMBER: LC44	
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	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)
Cefsulodin Sodium	100	52152-93-9	Oral – Rat 15,000 mg/kg IV – Rat 3.030 mg/kg	Not applicable
SECTION 3—PHYSICAL DATA				
PHYSICAL STATE Solid	ODOUR AND APPEARANCE White crystalline powder			ODOUR THRESHOLD (ppm) Not available
VAPOUR PRESSURE (mmHg) Not available	VAPOUR DENSITY (AIR=1) Not available	EVAPORATION RATE Not available	BOILING POINT (°F) Not available	FREEZING POINT (°F) Not available
PH Not available	SPECIFIC GRAVITY Not available	COEFF. WATER/OIL DIST. Not available		
SECTION 4—FIRE AND EXPLOSION DATA				
FLAMMABLE YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? > Upon exposure to open flame				
MEANS OF EXTINCTION Carbon dioxide, dry chemical powder, alcohol foam, 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 monoxide, carbon dioxide, nitrogen oxides, sulfur oxides		
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? > Oxidizing agents				
REACTIVITY, AND UNDER WHAT CONDITIONS Not available				
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides				

PRODUCT		Cefsulodin Supplement	
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>May cause sensitization by inhalation or skin contact. Cefsulodin is a third generation cephalosporin, individuals allergic to this class of antibiotic should avoid using this product. May cause skin irritation and allergic skin reaction in sensitive individuals.</p> <p>May cause irritation to eyes on contact.</p> <p>Inhalation may cause irritation to mucous membranes and upper respiratory tract. Respiratory sensitization may result in allergic/asthma like responses including coughing and minor breathing difficulties to bronchitis with wheezing and gasping.</p> <p>Ingestion may cause stomach pains, vomiting and diarrhea.</p>			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT			
<p>The chronic toxicological effects of exposure to this product have not been thoroughly investigated.</p>			
EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITISATION TO PRODUCT	CARCINOGENICITY
Not available	Yes	Yes	Not available
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
Not available	Not available	Not available	Not available
SECTION 7—PREVENTIVE MEASURES			
PERSONAL PROTECTIVE EQUIPMENT:			
<p>Wear appropriate protective clothing: Chemical resistant gloves, safety goggles, lab coat or other appropriate clothing that covers arms and other open body parts.</p>			
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)			
<p>None. Use in area with adequate ventilation.</p>			
LEAK AND SPILL PROCEDURE			
<p>Wearing appropriate safety gear including chemical resistant gloves and dust mask or respirator should be used. Sweep up, place in bag and hold for disposal. Ventilate area and wash spill site after material pickup is complete.</p>			
WASTE DISPOSAL			
<p>According to local, provincial and federal regulations.</p>			
HANDLING PROCEDURES AND EQUIPMENT			
<p>Avoid direct contact. Wash thoroughly after handling.</p>			
STORAGE REQUIREMENTS			
<p>Keep at refrigerated temperatures.</p>			
SPECIAL SHIPPING INFORMATION			
<p>None. Non-hazardous for transport.</p>			
SECTION 8—FIRST AID MEASURES			
<p>In case of contact with eyes, rinse with copious amounts of water for at least 15 minutes.</p> <p>In case of contact with skin, wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing and wash before reusing.</p> <p>If swallowed, wash mouth out repeatedly with water provided person is conscious.</p> <p>If inhaled remove patient to fresh air and administer approved oxygen supply if breathing is difficult.</p> <p>Seek medical attention.</p>			
SECTION 9—PREPARATION OF MSDS			
PREPARED BY (GROUP, DEPT, ETC.)	PHONE NUMBER	DATE	
Technical Department Dalynn Biologicals Inc.	(403) 291-0067	2014 October	