



DiverseyLever

MATERIAL SAFETY DATA SHEET



100-0081

I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: SUMA BIODRAIN	
USE: Biological Drain Line Treatment	
SUPPLIER: DiverseyLever Canada division of U L Canada Inc. 2645 Royal Windsor Drive Mississauga Ontario, L5J 1L1, Canada	EMERGENCY PHONE: (905) 822-3511
WHMIS CLASSIFICATION: D2B	TRADE NAME/SYNONYMS: not applicable
CHEMICAL FAMILY: Biological cultures	CHEMICAL NAME: not applicable

II - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT		
Gloves: impermeable gloves	Eye: safety glasses	Footwear: not required
Respiratory: not required	Other: not required	
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.		
VENTILATION REQUIREMENTS: General ventilation		
INCOMPATIBILITY (Material to Avoid): Strong acids, alkalis or biocides may inactivate biological cultures.		
SPILL PROCEDURE: Small spills may be flushed down the drain. Large spills, if uncontaminated, may be returned to container.		
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.		
STORAGE/SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Do not store above 40°C. Do not store below 5 °C.		

III - PHYSICAL PROPERTIES

APPEARANCE/ODOUR: Green liquid, pleasant scent	
S.G./BULK DENSITY (g/cc): 1.0	pH: (concentrate) 4.0 - 6.0
VAPOUR PRESSURE (mmHg): equiv to water	VAPOUR DENSITY (air=1): equiv. to water
ODOUR THRESHOLD: not available	BOILING POINT: approx. 100°C
FREEZING POINT: approx. 0°C	PERCENT VOLATILE: 95%
SOLUBILITY IN WATER: soluble	EVAPORATION RATE (water=1): not available

IV - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:	
EYES:	May cause severe irritation.
SKIN:	May cause irritation.
INGESTION:	May cause irritation of the digestive tract.
INHALATION:	Breathing mist or spray may cause respiratory irritation.
LD50 (calculated): not available	LC50 (calculated): not available
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known	
OTHER TOXIC EFFECTS: none known	

V - FIRST AID MEASURES

EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Wash affected area thoroughly with soap and water. If irritation develops, contact a physician.
INGESTION:	Drink large volumes of water or milk. Never give anything by mouth to an unconscious patient. Contact a physician immediately.
INHALATION:	Remove patient to fresh air. Get medical attention for any breathing difficulty.

VI - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS#	LD50/LC50	ROUTE/SPECIES
LIPASE	<1	009001-62-1	not available	
PROTEASE	<1	009014-01-1	not available	

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap.
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: not required	
HAZARDOUS COMBUSTION PRODUCTS: not applicable	
EXPLOSIVE SENSITIVITY TO: not applicable	

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []
CONDITIONS TO AVOID: not applicable
INCOMPATIBILITY (Material to Avoid): Strong acids, alkalis or biocides may inactivate biological cultures.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulphur dioxide and hydrogen sulphide
REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, Supplier's MSDS	PREPARED BY: DiverseyLever Canada Research and Development Department Institutional Division Phone (905) 822-3511
PREPARATION DATE: April 15, 1997	

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