



MATERIAL SAFETY DATA SHEET

ENVIRO CHEM LIQUI- BAC

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME: ROCHESTER MIDLAND LIMITED
 MANUFACTURERS ADDRESS: 143 MILLS ROAD, AJAX, ONTARIO
 EMERGENCY PHONE NUMBER: CANUTEC (613) 996-6666
 SUPPLIER IDENTIFIER: NOT AVAILABLE
 SUPPLIER'S ADDRESS: NOT AVAILABLE
 SUPPLIER EMERGENCY PHONE NUMBER: NOT AVAILABLE
 PRODUCT NAME: ENVIRO CHEM LIQUI-BAC
 PRODUCT USE: DIGESTS AND LIQUEFIES ORGANIC WASTE, GREASE AND FOOD
 WHMIS CATEGORY: D2B
 PREPARED BY: ROCHESTER MIDLAND LIMITED.
 PHONE NUMBER OF PREPARER: (905) 847-3000
 DATE PREPARED: AUGUST 18, 2014



SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
NO HAZARDOUS INGREDIENTS LISTED ON WHMIS INGREDIENT DISCLOSURE LIST.					
OTHER INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
ALKYL POLYGLUCOSIDE SURFACTANT MIXTURE	1-5	110615-47-9 / 68515-73-1	NOT AVAILABLE	ORAL >2000 mg/ Kg (RAT) DERMAL >2000 mg/ Kg (RABBIT)	NOT AVAILABLE
VIALB BACTERIAL CULTURES	3-7	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

SECTION 03: HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS:

ROUTE OF ENTRY: EYES, SKIN, INHALATION, INGESTION

SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION. ORGANISMS USED ARE NON-PATHOGENIC AND MAY CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY -USED ANTIBIOTICS.

SKIN ABSORPTION : NOT AVAILABLE.

EYE: DIRECT CONTACT MAY CAUSE IRRITATION.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION.

INGESTION: SMALL AMOUNTS OR SINGLE DOSE SHOULD HAVE LITTLE OR NO TOXIC EFFECT. INGESTION OF LARGE QUANTITIES MAY CAUSE IRRITATION TO MOUTH, THROAT OR DIGESTIVE TRACT, NAUSEA AND VOMITING.

ACUTE OVER-EXPOSURE

EFFECTS: AS ABOVE. INDIVIDUALS WITH A HISTORY OF DERMAL ALLERGIC REACTION MAY EXPERIENCE SLIGHT REDNESS ON HANDS AND FOREARMS.

CHRONIC OVER EXPOSURE

EFFECTS: DERMATITIS AND SKIN SENSITIZATION MAY DEVELOP AFTER REPEATED AND/ OR PROLONGED OVEREXPOSURE.

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SECTION 04: FIRST AID MEASURES

EYES: FLUSH EYES WITH ABUNDANT WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN TO ENSURE COMPLETE IRRIGATION OF THE ENTIRE EYE CAVITY. GET MEDICAL ATTENTION.

SKIN: FLUSH SKIN WITH WATER. REMOVE CONTAMINATED CLOTHING. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

INHALATION: REMOVE VICTIM TO FRESH AIR. ASSIST BREATHING AS NEEDED. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

INGESTION: **DO NOT INDUCE VOMITING.** IF VICTIM CONSCIOUS, GIVE 1 - 2 GLASSES OF WATER TO DILUTE STOMACH CONTENTS. **GET MEDICAL ATTENTION.** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTES TO PHYSICIAN: ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS/SYMPTOMS OF DISTRESS IN THE PATIENT. THE POSSIBILITY OF OVEREXPOSURE TO MATERIALS OTHER THAN THIS PRODUCT SHOULD BE CONSIDERED

SECTION 05: FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD OF DETERMINATION: NONE. TCC

UPPER EXPLOSION LIMIT (% BY VOLUME): NOT AVAILABLE

LOWER EXPLOSION LIMIT (% BY VOLUME): NOT AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT AVAILABLE

FLAMMABILITY CLASSIFICATION: NON-FLAMMABLE LIQUID

CONDITIONS OF FLAMMABILITY: NONE

MEANS OF EXTINCTION: AS FOR SURROUNDING FIRE.

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE EQUIPMENT AND USE APPROVED SELF CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE RUPTURE. DO NOT SPATTER OR SPLASH PRODUCT. DIKE TO CONTAIN WATER USED IN FIGHTING FIRE. DO NOT ALLOW THIS WATER INTO OPEN WATERWAYS OR SEWERS

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND NITROGEN.

EXPLOSION DATA: NONE EXPECTED.

SENSITIVITY TO STATIC DISCHARGE: NOT SENSITIVE

SENSITIVITY TO MECHANICAL IMPACT: NOT SENSITIVE

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES: CLEANUP PERSONNEL MUST USE FULL PROTECTIVE EQUIPMENT AS LISTED IN PERSONAL PROTECTION SECTION. REMOVE UNPROTECTED PERSONNEL AWAY FROM SPILL AREA. VENTILATE AREA. CAUTION: SPILL AREA MAY BE SLIPPERY.

SMALL SPILLS: MOP UP, AND FLUSH AREA WITH WATER.

LARGE SPILLS: DIKE SPILL. DO NOT ALLOW SPILL TO ENTER OPEN WATERWAYS OR SEWERS. RECLAIM ALL MATERIAL POSSIBLE. ABSORB REMAINDER WITH INERT MATERIAL AND PLACE IN SUITABLE CONTAINERS FOR DISPOSAL.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH SKIN THOROUGHLY WITH SOAP AND WATER AFTER USE. AVOID CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE. KEEP CONTAINER CLOSED WHEN NOT IN USE. READ AND FOLLOW LABEL INSTRUCTIONS. DO NOT CONTAMINATE FOOD, WATER OR FEED DURING USE OR STORAGE OF THIS PRODUCT. MIX ONLY WITH WATER. MAY SETTLE WITH TIME- MIX BEFORE USE.

STORAGE REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE INDOORS IN A COOL WELL VENTILATED (MIN 5 °C MAX 45 °C) AREA, AWAY FROM INCOMPATIBLE MATERIALS. AVOID PROLONGED EXPOSURES TO TEMPERATURE EXTREMES TO MAINTAIN SHELF LIFE. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN. DO NOT REUSE CONTAINER. STORE ONLY IN ORIGINAL CONTAINER.

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SECTION 08: EXPOSURE CONTROLS/ PERSONAL PROTECTION

GENERAL ADVICE: THESE RECOMMENDATIONS PROVIDE GENERAL GUIDANCE FOR HANDLING THIS PRODUCT. PERSONAL PROTECTIVE EQUIPMENT SHOULD BE SELECTED FOR INDIVIDUAL APPLICATIONS AND SHOULD CONSIDER FACTORS WHICH AFFECT EXPOSURE POTENTIAL, SUCH AS HANDLING PRACTICES, CHEMICAL CONCENTRATIONS AND VENTILATION. IT IS ULTIMATELY THE RESPONSIBILITY OF THE EMPLOYER TO FOLLOW REGULATORY GUIDELINES ESTABLISHED BY LOCAL AUTHORITIES

EYE PROTECTION: WEAR CHEMICAL SAFETY GLASSES OR GOGGLES.

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED WHEN USED AS DIRECTED. USE NIOSH APPROVED RESPIRATOR IF INHALATION OF SPRAY MIST CAUSES IRRITATION.

GLOVES: WEAR RUBBER, NITRILE OR NEOPRENE GLOVES.

OTHER PROTECTIVE EQUIPMENT: AS NEEDED TO PREVENT PROLONGED OR REPEATED CONTACT WITH PRODUCT.

SPECIFIC ENGINEERING CONTROLS: NONE NORMALLY REQUIRED.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOUR AND APPEARANCE: OPAQUE WHITE LIQUID WITH PLEASANT FRAGRANCE

ODOUR THRESHOLD: NOT AVAILABLE

SPECIFIC GRAVITY: 0.992-1.012

VAPOUR PRESSURE : NOT AVAILABLE

VAPOUR DENSITY (AIR=1): NOT AVAILABLE

VOC CONTENT (%): 0.2-0.7 (EPA METHOD 24)

EVAPORATION RATE; AS WATER

BOILING POINT; 100 °C (212 °F)

PH: 6.9-7.9

FREEZING POINT: 0 °C (32 °F) (VIABLE BACTERIAL CULTURES WILL DIE AT LOW TEMPERATURES)

DENSITY (g/ ml): 0.992-1.012

COEFFICIENT OF WATER/OIL DISTRIBUTION: COMPLETELY WATER SOLUBLE

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE WHEN USED AND STORED AS DIRECTED. DO NOT FREEZE OR EXPOSE TO HIGH TEMPERATURES (>45 °C). MAY SETTLE WITH TIME.

INCOMPATIBLE MATERIALS: AVOID STRONG ACIDS OR ALKALIS AS MAY INACTIVATE BACTERIAL CULTURES. AVOID STRONG OXIDIZING AGENTS.

CONDITIONS OF REACTIVITY: AVOID TEMPERATURE EXTREMES AS VIABLE BACTERIAL CULTURES MAY BE AFFECTED.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN .

SECTION 11: TOXICOLOGICAL INFORMATION

IRRITANCY OF PRODUCT: MINIMAL IRRITANT

SENSITIZATION TO MATERIAL: INDIVIDUALS WITH A HISTORY OF DERMAL ALLERGIC REACTION MAY EXPERIENCE SLIGHT REDNESS ON HANDS AND FOREARMS.

CARCINOGENICITY,: NO KNOWN CARCINOGENS LISTED BY OSHA, IARC OR NTP.

REPRODUCTIVE EFFECTS: NO KNOWN REPRODUCTIVE EFFECTS.

TERATOGENICITY: NOT AVAILABLE.

MUTAGENICITY: ALKYL POLYGLYCOSIDE SURFACTANT MIXTURE COMPONENT IS NOT MUTAGENIC

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: NOT AVAILABLE.

OTHER INFORMATION: ORGANISMS USED ARE NON-PATHOGENIC AND MAY CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY - USED ANTIBIOTICS.

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SECTION 12: ECOLOGICAL INFORMATION

THERE IS NO ECOLOGICAL INFORMATION AVAILABLE FOR PRODUCT. ECOTOXICOLOGICAL INFORMATION TO FOLLOW IS BASED LARGELY OR COMPLETELY ON INFORMATION FOR COMPONENTS .

AQUATIC TOXICITY:

FISH SPECIES DATA: ALKYL POLYGLYCOSIDE SURFACTANT MIXTURE LC 50, UNSPECIFIED FISH: >10 <= 100 mg/ L
INVERTEBRATES: ALKYL POLYGLYCOSIDE SURFACTANT MIXTURE EC0, UNSPECIFIED INVERTEBRATE: >100 mg/ L
(GROWTH INHIBITION) PLANTS: NOT AVAILABLE
MICROORGANISMS: NOT AVAILABLE

BIODEGRADABILITY: ALKYL POLYGLYCOSIDE SURFACTANT MIXTURE COMPONENT IS READILY BIODEGRADABLE.
(OECD 301). VIABLE BACTERIAL CULTURES ORGANIC COMPONENTS ARE BIODEGRADABLE.

MOBILITY: NOT AVAILABLE.

PERSISTENCE: NOT AVAILABLE

BIOACCUMULATIVE: VIABLE BACTERIAL CULTURES ARE NOT EXPECTED TO BIOACCUMULATE.

CHEMICAL FATE INFORMATION: NOT AVAILABLE

OTHER INFORMATION: NOT AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

TDG: NOT REGULATED UNDER TDG

ADDITIONAL INFORMATION: NOT AVAILABLE

MARINE POLLUTANT: NO

SECTION 15: REGULATORY INFORMATION:

DSL STATUS: LISTED

HMIS CLASSIFICATION (H, F, R, PE): 1,0,0, B

WHMIS CLASSIFICATION: D2B

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR(CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

DISCLAIMER: THIS INFORMATION WAS COMPILED FROM CURRENT, RELIABLE SOURCES AND IS BELIEVED TO BE CORRECT. AS DATA AND/ OR REGULATIONS CHANGE, AND CONDITIONS OF USE ARE BEYOND OUR CONTROL, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.