



MATERIAL SAFETY DATA SHEET

ENVIRO CHEM FLOOR FINISH RESTORER

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME: ROCHESTER MIDLAND LIMITED
MANUFACTURERS ADDRESS: 851 PROGRESS COURT, OAKVILLE, 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 FLOOR FINISH RESTORER
PRODUCT USE: FLOOR FINISH RESTORER
WHMIS CATEGORY: D2B
PREPARED BY: ROCHESTER MIDLAND LIMITED.
PHONE NUMBER OF PREPARER: (905) 847-3000
DATE PREPARED: MARCH 1, 2012



SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
DIETHYLENE GLYCOL METHYL ETHER (DEGME)	1-5	111-77-3	MANUFACTURERS TWA 30 PPM	ORAL >7000 mg/ Kg (RAT) DERMAL 9400 mg/ Kg (RABBIT)	>2000 mg/ m ³ 1 HOUR EXPOSURE (RAT)
OTHER INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
ACRYLIC POLYMER	3-7	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
POLYETHYLENE EMULSION	1-5	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 EXPOSURE MAY CAUSE IRRITATION.

SKIN ABSORPTION: EXCESSIVE OR PROLONGED EXPOSURE TO DEGME COMPONENT MAY CAUSE HARMFUL AMOUNTS TO BE ABSORBED. NOT A LIKELY OCCURRENCE WHEN USED AS DIRECTED.

EYE: MAY CAUSE IRRITATION.

INHALATION: EXCESS INHALATION OF SPRAY MISTS MAY CAUSE NAUSEA, VOMITING AND HEADACHE. NOT A LIKELY OCCURRENCE WHEN USED IN A WELL VENTILATED AREA.

INGESTION: MAY CAUSE IRRITATION, NAUSEA, VOMITING AND DIARRHEA. NOT A LIKELY OCCURRENCE WHEN USED AS DIRECTED.

ACUTE OVER-EXPOSURE EFFECTS: AS ABOVE.

CHRONIC OVER EXPOSURE EFFECTS: REPEATED EXPOSURE TO DEGME IN LABORATORY ANIMALS HAS BEEN REPORTED TO PRODUCE EFFECTS IN THE LIVER AND KIDNEY AND AFTER VERY HIGH ORAL DOSES, THE TESTES AND THYMUS. NO HUMAN INFORMATION AVAILABLE.

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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: WASH SKIN WITH SOAP AND 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, AMMONIA.

EXPLOSION DATA: NOT APPLICABLE.

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. 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. FLUSH AREA WITH WATER.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH SKIN THOROUGHLY AFTER HANDLING. 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. USE IN A WELL VENTILATED AREA.

STORAGE REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL WELL VENTILATED AREA AWAY FROM INCOMPATIBLES. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN. DO NOT REUSE 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 GOGGLES.

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED. USE NIOSH APPROVED RESPIRATOR IF VAPOURS CAUSE IRRITATION OR IF WORKPLACE IS NOT WELL VENTILATED.

GLOVES: WEAR RUBBER, VINYL OR NEOPRENE GLOVES.

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

SPECIFIC ENGINEERING CONTROLS: USE GENERAL MECHANICAL AND / OR LOCAL EXHAUST IF IN AN ENCLOSED AREA. USE IN A WELL VENTILATED AREA.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOUR AND APPEARANCE: MILD ACRYLIC ODOUR, WHITE OPAQUE LIQUID.

ODOUR THRESHOLD: NOT AVAILABLE

SPECIFIC GRAVITY: 1.01-1.02

VAPOUR PRESSURE : NOT AVAILABLE

VAPOUR DENSITY (AIR=1): NOT AVAILABLE

VOC CONTENT (%): 5.3 (ARB 310)

EVAPORATION RATE; NOT AVAILABLE

BOILING POINT; 100⁰ C (212⁰ F)

PH: 5.5-6.5

FREEZING POINT: NOT AVAILABLE

DENSITY (g/ ml): 1.01-1.02

COEFFICIENT OF WATER/OIL DISTRIBUTION: COMPLETELY WATER SOLUBLE

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE WHEN STORED AND USED AS DIRECTED.

INCOMPATIBLE MATERIALS: AVOID CONTACT WITH ACIDS; AND ALKALIS AND SALT SOLUTIONS.

CONDITIONS OF REACTIVITY: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN , AMMONIA AND OTHER TOXIC VAPOURS.

SECTION 11: TOXICOLOGICAL INFORMATION

IRRITANCY OF PRODUCT: MILD SKIN IRRITANT

SENSITIZATION TO MATERIAL: NOT AVAILABLE

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

REPRODUCTIVE EFFECTS: MALE RATS FED HIGH ORAL DOSES OF DEGME COMPONENT SHOW REDUCED TESTICULAR WEIGHT AND ATROPHY OF THE SEMINIFEROUS TUBULES. NO HUMAN DATA AVAILABLE. NO AFFECTS ON FERTILITY REPORTED.

TERATOGENICITY: TERATOGENIC EFFECTS HAVE BEEN OBSERVED IN LABORATORY ANIMALS FOLLOWING ORAL ADMINISTRATION OF DEGME COMPONENT IN THE ABSENCE OF MATERNAL TOXICITY. HOWEVER, NO ADVERSE EFFECTS WERE REPORTED ON FETUS WHEN DEGME APPLIED TO MOTHER LAB ANIMALS SKIN. NO HUMAN DATA AVAILABLE . BIRTH DEFECTS WERE SEEN ONLY FOLLOWING HIGH ORAL DOSES, WHICH HAVE LITTLE RELEVANCE TO HUMAN EXPOSURE.

MUTAGENICITY: IN VITRO GENETIC TOXICITY STUDIES WERE NEGATIVE FOR DEGME COMPONENT.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: NOT AVAILABLE

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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: DEGME LC50, RAINBOW TROUT: 1000 mg/L
DEGME LC50, BLUEGILL SUNFISH: 7500 mg/ L
DEGME LC50: FATHEAD MINNOW: 5741 mg/ L
DEGME LC50: COMMON CARP: >5000 mg/ L

INVERTEBRATES: DEGME LC50 : DAPHNIA 1192 mg/L

MICROORGANISMS: DEGME, EC 50, ACTIVATED SLUDGE, RESPIRATION INHIBITION, 0.5 HR: >1995 mg/ L

(GROWTH INHIBITION) PLANTS: DEGME EC 50 ALGA SCENEDESMUS SP. : > 500 mg/L

DEGME EC50, 96 HR, GREEN ALGAE SELENASTRUM CAPRICORNUTUM: >1000mg/L

DEGME COMPONENTS ARE PRACTICALLY NON-TOXIC TO AQUATIC ORGANISMS ON AN ACUTE BASIS (LC50/EC50 > 100mg/L) IN THE MOST SENSITIVE SPECIES TESTED.

BIODEGRADABILITY: DEGME COMPONENT IS READILY BIODEGRADABLE. BOD 28 DAYS: 77.9% (OECD 301B TEST), BOD 28 DAYS: 100% (OECD 302B TEST).

MOBILITY: DEGME COMPONENT POTENTIAL FOR MOBILITY IN SOIL IS VERY HIGH (KOC BETWEEN 0 AND 50)

PERSISTENCE: NOT AVAILABLE

BIOACCUMULATIVE: DEGME COMPONENT BIOCONCENTRATION POTENTIAL IS LOW (BFC <100 OR LOG POW <3).

CHEMICAL FATE INFORMATION: NOT AVAILABLE

OTHER INFORMATION: DEGME COMPONENT OCTANOL/WATER PARTITION COEFFICIENT- CALCULATED BY STRUCTURAL FRAGMENT METHOD: -1.18 DEGME COMPONENT THEORETICAL OXYGEN DEMAND (THOD)- CALCULATED: 1.73 mg/ mg
DEGME REMAINS IN THE VAPOUR PHASE AND IS DEGRADED BY PHOTOCHEMICALLY PRODUCED HYDROXYL RADICALS.

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.