



MATERIAL SAFETY DATA SHEET

FLOOR BITE- RML

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: FLOOR BITE-RML
PRODUCT USE: CONCRETE FLOOR STAIN REMOVER
WHMIS CATEGORY: E
PREPARED BY: ROCHESTER MIDLAND LIMITED.
PHONE NUMBER OF PREPARER: (905) 847-3000
DATE PREPARED: NOVEMBER 1, 2012



SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS | % | CAS# | EXPOSURE LEVELS | LD (50), ROUTE, SPECIES | LC(50), ROUTE, SPECIES |
|-----------------------|-----|---------|--|-----------------------------------|--|
| HYDROXYACETIC ACID | 3-7 | 79-14-1 | MANUFACTURERS 8 HR TWA 10 mg/ m ³ | ORAL 1950-2040 mg/ Kg (RAT) | 7.7 mg/L 4 HOUR EXPOSURE (RAT) 3.6 mg / L 4 HOUR EXPOSURE (MALE RAT) >5.2 mg/ L 4 HOUR EXPOSURE (FEMALE RAT) |

SECTION 03: HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS:

ROUTE OF ENTRY: EYES, SKIN, INHALATION, INGESTION

SKIN CONTACT: MAY CAUSE SEVERE IRRITATION AND BURNS. SEVERITY OF DAMAGE AND EXTENT OF ITS IRREVERSIBILITY INCREASES WITH LENGTH OF CONTACT TIME

SKIN ABSORPTION : NOT AVAILABLE.

EYE: DIRECT CONTACT MAY CAUSE SEVERE IRRITATION , BURNS. PERMANENT TISSUE DAMAGE EVEN BLINDNESS IF LEFT UNTREATED.

INHALATION: MAY CAUSE SEVERE IRRITATION, POSSIBLE BURNS TO UPPER RESPIRATORY TRACT. OVEREXPOSURE MAY CAUSE DIZZINESS, HEADACHES, NAUSEA AND OTHER CENTRAL NERVOUS EFFECTS. NOT EXPECTED UNDER NORMAL USE CONDITIONS.

INGESTION: MAY CAUSE IRRITATION AND BURNS. ASPIRATION OF VOMITED CONTENTS INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS.

ACUTE OVER-EXPOSURE

EFFECTS: AS ABOVE. PREVIOUSLY EXISTING SKIN AND/OR RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY PRODUCT EXPOSURE.

CHRONIC OVER EXPOSURE

EFFECTS: REPEATED OVER EXPOSURE TO HYDROXYACETIC ACID COMPONENT CAN CAUSE GASTRO INTESTINAL, SPLEEN, LIVER AND THYMUS EFFECTS.

MATERIAL SAFETY DATA SHEET

SECTION 04: FIRST AID MEASURES

EYES: FLUSH EYES WITH ABUNDANT WATER FOR AT LEAST 20 MINUTES WHILE HOLDING EYELIDS OPEN TO ENSURE COMPLETE IRRIGATION OF THE ENTIRE EYE CAVITY. GET MEDICAL ATTENTION.

SKIN: WASH SKIN WITH SOAP AND ABUNDANT WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

INHALATION: IF SAFE TO ENTER VICTIMS AREA, 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.

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.

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.

MEANS OF EXTINCTION:

AS FOR SURROUNDING FIRE. DIKE TO CONTAIN WATER USED IN FIGHTING FIRE. DO NOT ALLOW THIS WATER INTO OPEN WATERWAYS OR SEWERS

PRODUCTS:

OXIDES OF CARBON, NITROGEN AND SULFUR.

EXPLOSION DATA:

AS WITH ANY ACID, CONTACT WITH ALUMINIUM, ZINC OR GALVANIZED STEEL MAY GENERATE HYDROGEN GAS. THIS GAS IS FLAMMABLE AND/OR EXPLOSIVE IN THE PRESENCE OF AN IGNITION SOURCE. BRIEF INCIDENTAL CONTACT SUCH AS OVER-SPRAY IS NOT EXPECTED TO CREATE AN EXPLOSION HAZARD.

SENSITIVITY TO STATIC

DISCHARGE: NOT SENSITIVE

SENSITIVITY TO MECHANICAL

IMPACT : NOT SENSITIVE

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL

PROCEDURES: EXTINGUISH ALL IGNITION SOURCES. 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: CORROSIVE PRODUCT-HANDLE WITH CARE. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH SKIN THOROUGHLY AFTER HANDLING. DO NOT BREATHE MISTS/ SPRAYS. REMOVE CONTAMINATED CLOTHING AND LAUNDRY 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. ALWAYS ADD PRODUCT TO WATER; NEVER WATER TO PRODUCT.

STORAGE

REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE INDOORS IN A COOL WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN. DO NOT REUSE CONTAINER. STORE ONLY IN ORIGINAL CONTAINER.

MATERIAL SAFETY DATA SHEET

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. USE FACE SHIELD IF SPLASHES LIKELY.
RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED. USE WITH GOOD VENTILATION. USE NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION OCCURS. USE RESPIRATOR IN ENCLOSED SPACE.
GLOVES: WEAR NEOPRENE, NITRILE OR BUTYL RUBBER GLOVES.
OTHER PROTECTIVE EQUIPMENT: AS NEEDED TO PREVENT ALL CONTACT WITH PRODUCT.
SPECIFIC ENGINEERING CONTROLS: USE GENERAL MECHANICAL AND / OR LOCAL EXHAUST IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION OCCURS. USE CORROSION RESISTANT EQUIPMENT.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: MILD ODOUR, LIGHT AMBER LIQUID
ODOUR THRESHOLD: NOT AVAILABLE
SPECIFIC GRAVITY: 1.01-1.03
VAPOUR PRESSURE : NOT AVAILABLE
VAPOUR DENSITY (AIR=1): NOT AVAILABLE
VOC CONTENT (%): 5-6 (EPA METHOD 24)
EVAPORATION RATE; AS WATER
BOILING POINT; 100° C (212 ° F)
PH: LESS THAN 1
FREEZING POINT: NOT AVAILABLE
DENSITY (g/ ml): 1.01-1.03
COEFFICIENT OF WATER/OIL DISTRIBUTION: COMPLETELY WATER SOLUBLE

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE WHEN USED AND STORED AS DIRECTED
INCOMPATIBLE MATERIALS: AVOID STRONG ALKALIS AND OXIDIZERS. AVOID CONTACT WITH SOFT METALS. AVOID CONTACT WITH NITRIC ACID, CYANIDE SALTS AND SULFITE SALTS.
CONDITIONS OF REACTIVITY: AVOID HIGH TEMPERATURES. ALWAYS ADD PRODUCT TO WATER: NEVER WATER TO PRODUCT- THERMAL REACTION MAY BE GENERATED.
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, NITROGEN AND SULFUR.

SECTION 11: TOXICOLOGICAL INFORMATION

IRRITANCY OF PRODUCT: CORROSIVE PRODUCT ; SEVERE IRRITANT
SENSITIZATION TO MATERIAL: HYDROXYACETIC ACID COMPONENT IS NOT A SKIN SENSITIZER
CARCINOGENICITY,: NO KNOWN CARCINOGENS LISTED UNDER IARC, NTP OR OSHA.
REPRODUCTIVE EFFECTS: NO KNOWN REPRODUCTIVE EFFECTS.
TERATOGENICITY: NO KNOWN TERATOGENETIC EFFECTS ANTICIPATED FOR HYDROXYACETIC ACID COMPONENT.
MUTAGENICITY: NO ADVERSE MUTAGENIC EFFECTS ANTICIPATED FOR HYDROXYACETIC ACID COMPONENT.
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: NOT AVAILABLE
OTHER INFORMATION: IN ANIMALS, ADMINISTRATION OF A SINGLE HIGH ORAL DOSE OF HYDROXYACETIC ACID COMPONENT PRODUCED GASTROINTESTINAL TRACT IRRITATION, LIVER DAMAGE, INCREASED KIDNEY WEIGHT AND FORMATION OF OXALATE CRYSTALS IN KIDNEYS.

MATERIAL SAFETY DATA SHEET

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:

HYDROXYACETIC ACID LC50, 24-48 HR, BLUEGILL SUNFISH: 93 mg/ L

HYDROXYACETIC ACID LC50 ,96 HR, : FATHEAD MINNOW: 164 mg/ L

HYDROXYACETIC ACID LC50, 96 HR: FATHEAD MINNOW: 168 mg/ L

HYDROXYACETIC ACID LC50 ,96 HR: ZEBRA FISH: 5000 mg/ L

INVERTEBRATES:

HYDROXYACETIC ACID EC50, 48 HR, DAPHNIA MAGNA: 141 mg/ L

MICROORGANISMS:

NOT AVAILABLE

(GROWTH INHIBITION) PLANTS:

NOT AVAILABLE

TOXICITY OF HYDROXYACETIC ACID COMPONENT IS RELATED TO PH.IT IS HARMFUL TO AQUATIC LIFE AT LOW CONCENTRATIONS.

BIODEGRADABILITY:

HYDROXYACETIC ACID COMPONENT IS READILY BIODEGRADABLE

MOBILITY:

NOT AVAILABLE

PERSISTENCE:

NOT AVAILABLE

BIOACCUMULATIVE:

NOT AVAILABLE

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 :

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (HYDROXYACETIC ACID)

8

UN 3265

PACKING GROUP II

ADDITIONAL INFORMATION:

NOT AVAILABLE

MARINE POLLUTANT:

NO

SECTION 15: REGULATORY INFORMATION:

DSL STATUS:

LISTED

HMIS CLASSIFICATION (H, F, R, PE): 3,0,1, C

WHMIS CLASSIFICATION:

E

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.