# MATERIAL SAFETY DATA SHEET

## SNAP ENVIRO CHEM LOW FOAM, NEUTRAL ALL PURPOSE CLEANER (REVISED FORMULATION)

### 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 : | SNAP ENVIRO CHEM LOW FOAM, NEUTRAL ALL PURPOSE CLEANER (REVISED FORMULATION) |
| PRODUCT USE : | FRAGRANCE FREE, CONCENTRATED LOW FOAMING ALL PURPOSE CLEANER TO BE USED WITH SNAP DISPENSER |
| WHMIS CATEGORY: | D2B |
| PREPARED BY : | ROCHESTER MIDLAND LIMITED. |
| PHONE NUMBER OF PREPARER: | (905) 847-3000 |
| DATE PREPARED: | SEPTEMBER 30, 2009 |

### SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS | % | CAS# | EXPOSURE LEVELS | LD (50), ROUTE, SPECIES | LC(50), ROUTE, SPECIES |
|---|---|---|---|---|---|
| LAURYL DIMETHYL AMINE OXIDE | 5-10 | 1643-20-5 | NOT AVAILABLE | ORAL<br>2700 mg/Kg<br>(MOUSE) | NOT AVAILABLE |
| GLACIAL ACETIC ACID | 1-5 | 64-19-7 | ACGIH TLV-TWA<br>10 ppm<br>TLV-STEL 15 ppm<br>OSHA PEL-TWA<br>10 ppm<br>NIOSH REL 10 ppm<br>STEL 15 ppm<br>IDLH 50 ppm | ORAL<br>3310 mg/ Kg<br>(RAT)<br><br>DERMAL<br>1060 mg/ Kg<br>(RABBIT) | 2810 ppm<br>4 HOUR EXPOSURE<br>(RAT) |
| AMMONIUM HYDROXIDE | 1-5 | 1336-21-6 | ACGIH TLV-TWA 25 ppm (AMMONIA)<br>TLV-STEL 35 (ppm) (AMMONIA)<br>OSHA PEL-TWA 50 ppm (AMMONIA)<br>PEL-STEL 35 ppm (AMMONIA)<br>IDLH (AMMONIA): 300 ppm | ORAL<br>350 mg/ Kg<br>(RAT) | 2000 ppm<br>4 HOUR EXPOSURE<br>(RAT) |

### SECTION 03: HAZARDS IDENTIFICATION

**POTENTIAL ACUTE HEALTH EFFECTS:**

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|---|---|
| ROUTE OF ENTRY: | EYES, SKIN, INHALATION, INGESTION |
| SKIN CONTACT: | PROLONGED OR REPEATED CONTACT MAY CAUSE MILD IRRITATION AND DRYNESS. |
| SKIN ABSORPTION : | NOT AVAILABLE. |
| EYE: | DIRECT CONTACT WITH CONCENTRATE MAY CAUSE IRRITATION. |
| INHALATION: | EXCESSIVE INHALATION OF SPRAY MIST MAY CAUSE IRRITATION. |
| INGESTION: | MAY CAUSE IRRITATION, NAUSEA AND VOMITING. |
| ACUTE OVER-EXPOSURE EFFECTS: | AS ABOVE. |
| CHRONIC OVER EXPOSURE EFFECTS: | NONE KNOWN |

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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

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| FLASHPOINT AND METHOD OF DETERMINATION: | NONE. TCC |
| UPPER EXPLOSION LIMIT (% BY VOLUME): | NOT APPLICABLE |
| LOWER EXPLOSION LIMIT (% BY VOLUME: | NOT APPLICABLE |
| 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. |
| HAZARDOUS COMBUSTION PRODUCTS: | OXIDES OF CARBON AND NITROGEN, AMMONIA FUMES |
| 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. FLUSH AREA WITH WATER.

## SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED SKIN CONTACT . WASH SKIN THOROUGHLY AFTER USE. 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.
STORAGE REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE 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.

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## SECTION 08: EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| EYE PROTECTION: | WEAR CHEMICAL SAFETY GLASSES. |
| RESPIRATORY PROTECTION: | NONE NORMALLY REQUIRED. |
| GLOVES: | WEAR NEOPRENE, RUBBER OR NITRILE GLOVES. |
| OTHER PROTECTIVE EQUIPMENT: | AS NEEDED TO PREVENT PROLONGED OR REPEATED CONTACT WITH PRODUCT. |
| SPECIFIC ENGINEERING CONTROLS: | NONE NORMALLY REQUIRED. USE LOCAL EXHAUST IF USED IN A CONFINED SPACE OR TLV EXCEEDED. |

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| PHYSICAL STATE: | LIQUID |
| ODOUR AND APPEARANCE: | FRAGRANCE FREE; MILD ODOUR, CLEAR DARK GREEN LIQUID |
| ODOUR THRESHOLD: | NOT AVAILABLE |
| SPECIFIC GRAVITY: | 0.99-1.04 |
| VAPOUR PRESSURE : | NOT AVAILABLE |
| VAPOUR DENSITY (AIR=1): | NOT AVAILABLE |
| VOC CONTENT (%): | 5.49-6.49 (EPA METHOD 24) |
| EVAPORATION RATE; | AS WATER |
| BOILING POINT; | 100 $^{0}$C (212 $^{0}$F) |
| PH: | 6.5-7.0 |
| FREEZING POINT: | NOT AVAILABLE |
| DENSITY (g/ ml): | 0.99-1.04 |
| COEFFICIENT OF WATER/OIL DISTRIBUTION: | COMPLETELY WATER SOLUBLE |

## SECTION 10: STABILITY AND REACTIVITY

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|---|---|
| CHEMICAL STABILITY: | STABLE UNDER NORMAL USE |
| INCOMPATIBLE MATERIALS: | AVOID STRONG ACIDS AND ALKALINES. |
| CONDITIONS OF REACTIVITY: | NONE |
| HAZARDOUS DECOMPOSITION PRODUCTS: | OXIDES OF CARBON AND NITROGEN, AMMONIA |

## SECTION 11: TOXICOLOGICAL INFORMATION

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|---|---|
| IRRITANCY OF PRODUCT: | MILD IRRITANT |
| SENSITIZATION TO MATERIAL: | NOT AVAILABLE |
| CARCINOGENICITY,: | NO KNOWN CARCINOGENS LISTED BY OSHA, IARC OR NTP. |
| REPRODUCTIVE EFFECTS: | NO KNOWN REPRODUCTIVE EFFECTS. |
| TERATOGENICITY: | NO TERATOGENIC EFFECTS ANTICIPATED. |
| MUTAGENICITY: | NO MUTAGENIC EFFECTS ANTICIPATED |
| TOXICOLOGICALLY SYNERGISTIC PRODUCTS: | NOT AVAILABLE. |

## SECTION 12: ECOLOGICAL INFORMATION

SNAP ENVIRO CHEM LOW FOAM NEUTRAL ALL PURPOSE CLEANER HAS BEEN TESTED FOR THE FOLLOWING ECOLOGICAL INFORMATION:

AQUATIC TOXICITY:

| | |
|---|---|
| FISH SPECIES DATA: | LC 50, 96 HR, FATHEAD MINNOW: 4900 mg/ L<br>NO OBSERVED EFFECT CONCENTRATION (NOEC) , FATHEAD MINNOW: 2400 mg/ L |
| INVERTEBRATES: | EC 50, 48 HR, DAPHNIA MAGNA: 3956 mg/ L<br>NO OBSERVED EFFECT CONCENTRATION (NOEC) , DAPHNIA MAGNA: 1680 mg/ L |

BIODEGRADABILITY: PRODUCT IS BIODEGRADABLE: BOD 28 DAYS 80%

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## 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: 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.