



MATERIAL SAFETY DATA SHEET

SPARCLING

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: SPARCLING
PRODUCT USE: CLINGING ACID CLEANER
WHMIS CATEGORY: E
PREPARED BY: ROCHESTER MIDLAND LIMITED.
PHONE NUMBER OF PREPARER: (905) 847-3000
DATE PREPARED: MARCH 1, 2013



SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS#	EXPOSURE LEVELS	LD (50), ROUTE, SPECIES	LC(50), ROUTE, SPECIES
PHOSPHORIC ACID	10-30	7664-38-2	ACGIH TLV-TWA 1 mg/ m ³ TLV-STEL 3 mg/ m ³ OSHA-TWA 1 mg/ m ³ STEL 3 mg/ m ³ IDLH: 1000 mg/ m ³	ORAL 1250-1530 mg/ Kg (RAT) DERMAL >1260 mg/ Kg (RABBIT)	>850 mg / m ³ 1 HOUR EXPOSURE (RAT)

SECTION 03: HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS:

ROUTE OF ENTRY: EYES, SKIN, INHALATION, INGESTION

SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE BURNS. ACUTE EXPOSURE IS IRRITATING. SEVERITY OF DAMAGE AND EXTENT OF ITS IRREVERSIBILITY INCREASES WITH LENGTH OF CONTACT TIME.

SKIN ABSORPTION: NOT AVAILABLE

EYE: MAY CAUSE BURNS, PERMANENT TISSUE DAMAGE EVEN BLINDNESS IF LEFT UNTREATED.

INHALATION: PRODUCT MAY IRRITATE RESPIRATORY TRACT AND TRACHEA IF INHALED AS A MIST OR VAPOUR. NOT A LIKELY ROUTE OF EXPOSURE. NOT EXPECTED TO PRESENT A SIGNIFICANT INHALATION HAZARD UNLESS A SPRAY MIST IS GENERATED.

INGESTION: MAY BE FATAL IF SWALLOWED. CAN CAUSE NAUSEA, VOMITING, SEVERE IRRITATION AND BURNS TO MUCOUS MEMBRANES OF THROAT, MOUTH AND DIGESTIVE TRACT IF INGESTED. ASPIRATION OF VOMITED CONTENTS MAY CAUSE CHEMICAL PNEUMONITIS.

ACUTE OVER-EXPOSURE

EFFECTS: AS ABOVE.

CHRONIC OVER EXPOSURE

EFFECTS: OVEREXPOSURE MAY AGGRAVATE PREVIOUSLY EXISTING RESPIRATORY AND SKIN DISORDERS.

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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 WATER FOR AT LEAST 20 MINUTES. 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 IMMEDIATE 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

MEANS OF EXTINCTION: USE WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

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, NITROGEN AND PHOSPHOROUS.

EXPLOSION DATA: 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 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: CLEANUP PERSONNEL MUST USE FULL PROTECTIVE EQUIPMENT. REMOVE UNPROTECTED PERSONNEL AWAY FROM SPILL AREA. VENTILATE AREA. CAUTION: SPILL AREA MAY BE SLIPPERY.

SMALL SPILLS: WIPE UP SPILL. 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, CORROSION RESISTANT CONTAINERS FOR DISPOSAL. TRAINED PERSONNEL MAY NEUTRALIZE RESIDUE WITH SODA ASH OR LIME. FLUSH AREA WITH ABUNDANT WATER.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: CORROSIVE PRODUCT-HANDLE WITH CARE. AVOID ALL SKIN, CLOTHING AND EYE CONTACT. DO NOT GENERATE AND BREATHE VAPOURS/MISTS. USE WITH ADEQUATE VENTILATION. DO NOT REUSE EMPTY CONTAINERS. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH HANDS THOROUGHLY AFTER USE. MIX ONLY WITH WATER. DO NOT MIX WITH CHLORINE CONTAINING PRODUCTS. READ AND FOLLOW LABEL INSTRUCTIONS. DO NOT CONTAMINATE FOOD, WATER OR FEED DURING USE OR STORAGE OF THIS PRODUCT.

STORAGE REQUIREMENTS: STORE INDOORS IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. DO NOT FREEZE. KEEP OUT OF REACH OF CHILDREN. DO NOT RE-USE EMPTY CONTAINERS.

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SECTION 08: EXPOSURE CONTROLS/ PERSONAL PROTECTION

EYE PROTECTION: WEAR CHEMICAL SPLASH GOGGLES.
RESPIRATORY PROTECTION: NOT NORMALLY REQUIRED. IF MIST IS IN AIR, USE NIOSH-APPROVED RESPIRATOR.
GLOVES: WEAR ACID RESISTANT RUBBER OR NITRILE GLOVES
OTHER PROTECTIVE EQUIPMENT: AS NEEDED TO PREVENT ALL CONTACT WITH PRODUCT.
SPECIFIC ENGINEERING CONTROLS: NONE NORMALLY REQUIRED. USE WITH ADEQUATE VENTILATION.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: GREEN APPLE FRAGRANCE; VISCOUS CLEAR GREEN / BLUE LIQUID.
ODOUR THRESHOLD: NOT AVAILABLE
SPECIFIC GRAVITY: 1.0 -1.2
VAPOUR PRESSURE : NOT AVAILABLE
VAPOUR DENSITY (AIR=1): NOT AVAILABLE
VOC CONTENT (%): 0 (ARB 310)
EVAPORATION RATE; NOT AVAILABLE
BOILING POINT; 100⁰ C (212⁰ F)
PH: 1.5
FREEZING POINT: NOT AVAILABLE
DENSITY (g/ ml): 1.0-1.2
COEFFICIENT OF WATER/OIL DISTRIBUTION: COMPLETELY WATER SOLUBLE

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE WHEN USED AND STORED AS DIRECTED.
INCOMPATIBLE MATERIALS: DO NOT MIX WITH ALKALINE OR CHLORINE CONTAINING CHEMICALS (IE BLEACH), SULFITES, PEROXIDES OR REDUCING AGENTS. REACTIONS CAN GENERATE A GREAT DEAL OF HEAT AND TOXIC GASES. AVOID CONTACT WITH ALUMINIUM OR GALVANIZED SURFACES OR OTHER METALS EXCEPT AS DIRECTED ON THE LABEL
CONDITIONS OF REACTIVITY: AS ANY STRONG ACID SOLUTION CAN REACT WITH METALS ESPECIALLY "SOFT" METALS SUCH AS ALUMINIUM OR ZINC (GALVANIZED) GENERATING HYDROGEN. THIS GAS IS FLAMMABLE AND/OR EXPLOSIVE IN PRESENCE OF IGNITION SOURCE.
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, NITROGEN AND PHOSPHOROUS. CONTACT WITH HYPOCHLORITES SUCH AS BLEACH, SULFIDES OR CYANIDES WILL LIBERATE TOXIC GASES.

SECTION 11: TOXICOLOGICAL INFORMATION

IRRITANCY OF PRODUCT: MODERATE SKIN IRRITANT, CORROSIVE TO EYES
SENSITIZATION TO MATERIAL: NOT AVAILABLE
CARCINOGENICITY: NO KNOWN CARCINOGENS LISTED BY OSHA, IARC OR NTP.
REPRODUCTIVE EFFECTS: NO KNOWN REPRODUCTIVE EFFECTS
TERATOGENICITY: PHOSPHORIC ACID COMPONENT IS NOT EXPECTED TO SHOW ADVERSE TERATOGENIC EFFECTS.
MUTAGENICITY: PHOSPHORIC ACID COMPONENT BACTERIA MUTAGENIC TEST RESULTS WERE NEGATIVE. NO REPORTED MUTAGENICITY IN HUMANS OR HUMAN CELL CULTURES.
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: PHOSPHORIC ACID LC 50 MOSQUITO FISH: 138 mg/ L
PHOSPHORIC ACID LC 50, 96 HR, MOSQUITO FISH: 3-3.5 mg/ L

INVERTEBRATES: NOT AVAILABLE

(GROWTH INHIBITION) PLANTS: NOT AVAILABLE

MICROORGANISMS: PHOSPHORIC ACID, EC 50, ACTIVATED SLUDGE: 270 mg/ L

PHOSPHORIC ACID, EC 50, OTHER PROTOZOANS: 240 mg/ L

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

BIODEGRADABILITY: PHOSPHORIC ACID IS INORGANIC AND THEREFORE NOT AMENABLE TO BIODEGRADATION. IT HAS NO BOD.

MOBILITY: PHOSPHORIC ACID COMPONENT WHEN RELEASED IN THE SOIL MAY LEACH INTO GROUNDWATER. WHEN RELEASED TO WATER, ACIDITY MAY BE READILY REDUCED BY NATURAL WATER HARDNESS MINERALS

PERSISTENCE: THE PHOSPHOROUS COMPONENT OF PHOSPHORIC ACID MAY PERSIST INDEFINITELY

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: UN 1805
PHOSPHORIC ACID, LIQUID
8
PACKING GROUP III

ADDITIONAL INFORMATION: NOT AVAILABLE

MARINE POLLUTANT: NO

SECTION 15: REGULATORY INFORMATION:

DSL STATUS: LISTED

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

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.