

MURSATT MATERIAL SAFETY DATA SHEET

SECTION I MATERIAL IDENTIFICATION

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| PRODUCT IDENTIFIER | COVER CARE | CODE: M52 |
| MANUFACTURER | MURSATT CHEMICALS LIMITED | |
| ADDRESS | 71 CARLAUREN ROAD, WOODBRIDGE, ONT., L4L 8A8 | |
| MANUFACTURER'S PHONE | (905) 850-8444 | |
| EMERGENCY PHONE | CANUTEC (613) 996-6666 | |
| PRODUCT USE | SWIMMING POOL EQUIPMENT CLEANER | |
| PROPOSED WHMIS CLASS | [D2B] TOXIC | |

SECTION II HAZARDOUS INGREDIENTS

| CHEMICAL IDENTITY | % w/w | CAS # | UN | LD50 (mg/kg) | LC50 (mg/m ³) |
|---------------------|-------|--------------------------|------|-----------------|---------------------------|
| SODIUM CARBONATE | 1 - 5 | 497-19-8 | | 2800 (ORAL,RAT) | NOT AVAILABLE |
| CATIONIC SURFACTANT | 1 - 5 | 68391-01-5 68956-79-6 | 1993 | 625 (ORAL,RAT) | NOT AVAILABLE |
| NONIONIC SURFACTANT | 1 - 5 | 9016-45-9 | | NOT AVAILABLE | NOT AVAILABLE |
| ETHYLENEDIAMINE | 1 - 5 | 64-02-8 | | 1780 (ORAL,RAT) | NOT AVAILABLE |
| TETRAACETIC ACID | | | | | |

SECTION III PHYSICAL DATA

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| STATE | LIQUID | ODOUR | SLIGHT SWEET |
| APPEARANCE | WATER-WHITE LIQUID | ODOUR THRESHOLD | NOT AVAILABLE |
| SPECIFIC GRAVITY | 1.1 | VAPOUR PRESSURE | NOT AVAILABLE |
| pH | 12.0 | VAPOUR DENSITY | NOT AVAILABLE |
| BOILING POINT °C | NOT AVAILABLE | EVAPORATION RATE | NOT AVAILABLE |
| FREEZING POINT °C | NOT AVAILABLE | COEF. WATER/OIL DISTRIBUTION | NOT AVAILABLE |

SECTION IV FIRE AND EXPLOSION DATA

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| FLASHPOINT °C & METHOD | NONE |
| UPPER FLAMMABLE LIMIT (% VOLUME) | NOT APPLICABLE |
| LOWER FLAMMABLE LIMIT (% VOLUME) | NOT APPLICABLE |
| CONDITIONS OF FLAMMABILITY | NOT APPLICABLE |
| MEANS OF EXTINCTION | AS FOR SURROUNDING FIRE |
| AUTO IGNITION TEMPERATURE | NOT APPLICABLE |
| HAZARDOUS COMBUSTION PRODUCTS | OXIDES OF CARBON AND NITROGEN |
| EXPLOSION DATA | NOT APPLICABLE |
| SENSITIVITY TO STATIC DISCHARGE | NOT APPLICABLE |

SECTION V REACTIVITY DATA

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| CHEMICAL STABILITY | STABLE |
| INCOMPATIBLE MATERIALS | STRONG ACIDS |
| CONDITIONS OF REACTIVITY | NOT APPLICABLE |
| HAZARDOUS DECOMPOSITION PRODUCTS | OXIDES OF CARBON AND NITROGEN |

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| SECTION VI TOXICOLOGICAL PROPERTIES |
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|-----------------|-----------------|-------|------------|-------|
| ROUTE OF ENTRY: | EYE CONTACT | [X] | INGESTION | [X] |
| | SKIN CONTACT | [X] | INHALATION | [X] |
| | SKIN ABSORPTION | [] | | |

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| EFFECTS OF ACUTE EXPOSURE | CORROSIVE TO EYES. IRRITANT TO SKIN. HARMFUL IF SWALLOWED. IF INGESTED MAY CAUSE NAUSEA AND DIARRHEA. INHALATION OF MISTS MAY IRRITATE NOSE, THROAT AND UPPER RESPIRATORY SYSTEM. |
| EFFECTS OF CHRONIC EXPOSURE | NOT AVAILABLE |
| EXPOSURE LIMITS | NOT AVAILABLE |
| IRRITANCY OF PRODUCT | MODERATE |
| SENSITIZATION | SODIUM CARBONATE MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS. |
| EVIDENCE OF CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY OR MUTAGENICITY | NONE KNOWN |
| TOXICOLOGICALLY SYNERGISTIC PRODUCTS | NONE KNOWN |

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| SECTION VII PREVENTATIVE MEASURES |
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| PERSONAL PROTECTIVE EQUIPMENT | GOGGLES OR FACE SHIELD. RUBBER OR NEOPRENE GLOVES. RESPIRATOR IF MISTS PRESENT. |
| ENGINEERING CONTROLS | NORMAL ROOM VENTILATION. |
| LEAK & SPILL PROCEDURE | FOR SMALL SPILLS, ABSORB WITH INERT MATERIAL AND PICK UP FOR DISPOSAL. FLUSH AREA WITH PLENTY OF WATER. |
| WASTE DISPOSAL | IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND MUNICIPAL ENVIRONMENTAL REGULATIONS. |
| HANDLING PROCEDURES & EQUIPMENT | WASH AFTER HANDLING. USE GOOD INDUSTRIAL HYGIENE. |
| STORAGE REQUIREMENTS | STORE IN A COOL, DRY PLACE |
| SPECIAL SHIPPING INFORMATION | NOT REGULATED. |

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| SECTION VIII FIRST AID MEASURES |
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| EYE CONTACT | FLUSH WITH WATER FOR 15 MINUTES. CONTACT PHYSICIAN. |
| SKIN CONTACT | WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN. |
| INGESTION | DO NOT INDUCE VOMITING. GIVE VICTIM 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. CONTACT PHYSICIAN IMMEDIATELY. |
| INHALATION | REMOVE TO FRESH AIR. |

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| SECTION IX PREPARATION DATA |
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PREPARED BY: MURSATT TECHNICAL DEPT. _

DATE PREPARED: MAR 28/08

All information in this MSDS is obtained from sources considered to be reliable and is believed to be correct, however, it is submitted without any warrantee. The data are offered solely for your consideration, investigation and verification.