

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: L0018

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - L0018

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TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29 CFR 1910 1200.

CLOR-D-TECT Q4000 OR Q2000 CHLORINE/HALOGEN TEST KIT

SECTION I - MANUFACTURER

MANUFACTURER'S NAME: DEXSIL CORPORATION

ADDRESS: ONE HAMDEN PARK DRIVE HAMDEN, CT 06517

EMERGENCY TELEPHONE NUMBER: USA: (800) 424-9300 (CHEMTREC) INT'L: (202) 433-7616

TELEPHONE NUMBER: (203) 238-3509

DATE PREPARED: 09-09-05

DATE REVIEWED: 09-09-05

SECTION II - IDENTIFICATION OF HAZARDOUS INGREDIENT

THE CLOR-D-TECT Q2000 & Q4000 CHLORINE/HALOGEN TEST KITS CONSISTS OF ONE TEST TUBE CONTAINING TWO AMPULES, ONE TEST TUBE CONTAINING ONE AMPULE AND AN AQUEOUS SOLUTION, A SEPARATE AMPULE, AND A FILLED PLASTIC SYRINGE.

Table with 5 columns: COMPONENT, INGREDIENTS, TLV/(PEL), CAS#, COMPONENT AS % OF TOTAL LIQUID. Rows include AMPULE 1 (SODIUM), AMPULE 2 (NAPHTHALENE), AMPULE 3 (ETHANOL), AMPULE 4 (ORGANO-SULFUR), PLASTIC SYRINGE (MERCURIC NITRATE), and AQUEOUS SOL'N (SULFURIC ACID).

(\*BRACKETED COMPONENT REPORTED AS % OF TOTAL LIQUID IN KIT)

SECTION III - PHYSICAL CHARACTERISTICS

Table with 7 columns: PROPERTY, AMPULE 1, AMPULE 2, AMPULE 3, AMPULE 4, SYRINGE, AQ. SOL'N. Rows include BOILING PT., VAPOR PRESSURE, SOLUBILITY, SPECIFIC GRAVITY, PERCENT VOLATILE, EVAPORATION RATE, and APPEARANCE/ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: AMPULE 1: 212 DEG. F, AMPULE 2: 162 DEG. F, AMPULE 3: 48 DEG. F, AMPULE 4: NA, PLASTIC SYRINGE: NA

FLAMMABLE LIMIT: UNKNOWN

EXTINGUISHING MEDIA: DO NOT USE WATER ON A SODIUM FIRE. DRY CHEMICAL, FOAM, CO2.

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT USE WATER. WEAR SCBA. AVOID BREATHING SODIUM OXIDE FUMES THAT WILL FORM ON COMBUSTION.

SECTION V - REACTIVITY DATA

STABILITY: ALL COMPONENTS ARE STABLE.

INCOMPATIBLE WITH: DO NOT EXPOSE BROKEN SODIUM AMPULE TO MOISTURE. KEEP FROM STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTIONS: SODIUM WILL FORM HYDROGEN AND SODIUM OXIDE WHEN MOISTURE IS PRESENT. ETHYL DIGLYME MAY FORM PEROXIDES ON EXPOSURE TO AIR. OTHER SOLUTIONS ARE STABLE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: MOISTURE WITH SODIUM AMPULE.

SECTION VI - HEALTH HAZARD INFORMATION

FIRST AID: IN CASE OF CONTACT WITH REAGENTS, RINSE WELL WITH WATER. IN CASE OF INHALATION, REMOVE TO FRESH AIR.

EYE CONTACT: FOR ALL KIT COMPONENTS, FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

SKIN CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER. USE SOAP AND WATER TO WASH AWAY ORGANIC COMPONENTS.

INHALATION: IN CASE OF INHALATION, REMOVE TO FRESH AIR.

CARCINOGENICITY:

NTP: YES, IARC: YES, Z LIST: NO, OSHA REG: NO

THIS PRODUCT CONTAINS CADMIUM, WHICH IS LISTED AS A NTP ANTICIPATED HUMAN CARCINOGEN AND AN IARC PROBABLE HUMAN CARCINOGEN (GROUPS 2A AND 2B).

TOXICOLOGICAL INFORMATION:

HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE SKIN BURNS. INGESTION WILL CAUSE BURNS OF THE GASTROINTESTINAL TRACT. MERCURIC NITRATE, CADMIUM AND ETHANOL (METHANOL COMPONENT) ARE IDENTIFIED ON LISTS IN CERCLA, SARA SEC. 313 AND ON TSCA. NAPHTHALENE IS IDENTIFIED IN THE SARA SEC. 313 LIST.

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

SPILLS AND LEAKS:

AMPULE 1 - SODIUM AMPULE: COVER WITH DRY SODA ASH OR SALT. STORE IN A WELL-VENTILATED AREA AWAY FROM MOISTURE.

AMPULE 2 - NAPHTHALENE/ETHYL DIGLYME AMPULE: ABSORB COMPLETELY AND DISPOSE OF AS ORGANIC WASTE.

AMPULE 3 - ETHANOL AMPULE: SOLVENT ABSORBENT RECOMMENDED FOR SPILLS. FLUSH AREA WITH WATER.

PLASTIC SYRINGE - MERCURIC NITRATE SOLUTION: ABSORB COMPLETELY AND FLUSH AREA WITH WATER.

AQUEOUS SOLUTION: ABSORB COMPLETELY AND FLUSH AREA WITH WATER.

DISPOSAL:

SAMPLING SYRINGE: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

TEST TUBE 1: CONTAINS REACTED OIL SAMPLE AND ORGANIC LIQUID. DISPOSE OF AS AN ORGANIC WASTE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

TEST TUBE 2: UPON COMPLETION OF TEST INCLUDING THE ADDITION OF AMPULE 4, CONTENTS PASS US EPA TCLP TEST. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NONE REQUIRED DURING NORMAL USE.

VENTILATION: PERFORM TEST ONLY IN A WELL-VENTILATED AREA.

PROTECTIVE GLOVES: ALWAYS WEAR RUBBER GLOVES WHEN PERFORMING THE CLOR-D-TECT Q2000/Q4000 TEST.

EYE PROTECTION: WEAR SAFETY GLASSES.

OTHER PROTECTIVE EQUIPMENT: WEAR APPROPRIATE SAFETY EQUIPMENT WHEN PERFORMING THE TEST ON SITE.

SECTION IX - SPECIAL PRECAUTIONS AND COMMENTS

STORAGE AND HANDLING INFORMATION: STORE TEST KITS IN A COOL, DRY PLACE. CHECK EXPIRATION DATE PRIOR TO PERFORMING TEST.

DOT CLASS (AS ORIGINALLY PACKAGED BY DEXSIL CORPORATION.):

APPROVAL CA-9610010, PACKAGING CONFORMS TO CONDITIONS AND LIMITATIONS SPECIFIED IN 49 CFR 173.4.

NA=NOT AVAILABLE OR NOT APPLICABLE  
NF=NOT FOUND  
NE=NOT ESTABLISHED

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET MEETS THE REQUIREMENTS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ACT AND REGULATIONS PROMULGATED THEREUNDER (29 CFR 1910.1200 ET. SEQ.) AND THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF THE MATERIAL BY A PERSON TRAINED IN, OR SUPERVISED BY A PERSON TRAINED IN, CHEMICAL HANDLING. THE USER IS RESPONSIBLE FOR DETERMINING THE PRECAUTIONS AND DANGER OF THESE CHEMICALS FOR HIS OR HER PARTICULAR APPLICATION. DEPENDING ON USAGE, PROTECTIVE CLOTHING INCLUDING EYE AND FACE GUARDS AND RESPIRATORS MUST BE USED TO AVOID CONTACT WITH MATERIAL OR BREATHING CHEMICAL VAPORS/FUMES.

EXPOSURE TO THIS PRODUCT MAY HAVE SERIOUS ADVERSE HEALTH EFFECTS. THESE CHEMICALS MAY INTERACT WITH OTHER SUBSTANCES. SINCE THE POTENTIAL USES ARE SO VARIED, DEXSIL CANNOT WARN OF ALL OF THE POTENTIAL DANGERS OF USE OR INTERACTION WITH OTHER CHEMICALS OR MATERIALS. DEXSIL WARRANTS THAT THE CHEMICALS MEET THE SPECIFICATIONS SET FORTH ON THE LABEL.

DEXSIL DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

THE USER SHOULD RECOGNIZE THAT THIS PRODUCT CAN CAUSE SEVERE INJURY AND EVEN DEATH, ESPECIALLY IF IMPROPERLY HANDLED OR THE KNOWN DANGERS OF USE ARE NOT HEEDDED. READ ALL PRECAUTIONARY INFORMATION. AS NEW DOCUMENTED GENERAL SAFETY INFORMATION BECOMES AVAILABLE, DEXSIL WILL PERIODICALLY REVISE THIS MATERIAL SAFETY DATA SHEET.

CHEMTREC EMERGENCY TELEPHONE NUMBER IS TO BE USED ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING CHEMICALS. ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO THE CUSTOMER SERVICE DEPT. AT 1-203-288-3509.

FOR ADDITIONAL INFORMATION, CONTACT DEXSIL.

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