

MATERIAL SAFETY DATA SHEET                      PRODUCT NAME: CLINITEST REAGENT TABLETS  
REGULATED BY OSHA 29 CFR 1910.1200            PRODUCT NO.: 2159

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MANUFACTURER		HEALTH:	2
MILES INC.	EMERGENCY TELEPHONE	HMIS	
DIAGNOSTICS DIVISION	1-800-348-8100 (AMES)	HAZARD	FIRE: 0
ELKHART, IN., (46515)	1-800-424-9300 (CHEMTREC)	RATING	
USA		REACTIVITY:	2

PERSONAL PROTECTION: B

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SECTION I: IDENTIFICATION  
PRODUCT NAME: CLINITEST REAGENT TABLETS (FOIL WRAPPED)    PRODUCT NUMBER: 2159

CHEMICAL NAME: MIXTURE

DATE PREPARED: DECEMBER 20, 1990                      NEW:            REVISED: X

SECTION II: HAZARDOUS INGREDIENTS

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CAS #	COMPONENT	AMOUNT	EXPOSURE LIMITS
1310-73-2	SODIUM HYDROXIDE **	APPROX 35%	AIR-TLV 2 MG/M3
7758-98-7	COPPER SULFATE **	APPROX 3%	TLV-TWA 1 MG(CU)/M3 ORAL LD50 300 MG/KG

\*\* REPORTING REQUIRED BY SARA TITLE III SECTION 313 (40 CFR 372) ABOVE 1%.

SECTION III: PHYSICAL DATA

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APPEARANCE AND ODOR: SOLID PALE BLUE TABLETS WITH NO MARKINGS OR ODOR.

PH: WHEN DRY, N/A    PH: WHEN WET OR DISSOLVED, MATERIAL IS VERY CAUSTIC.

SOLUBILITY IN WATER: COMPLETELY SOLUBLE

PHYSICAL HAZARD: CLINITEST TABLETS ARE HIGHLY SENSITIVE TO MOISTURE FROM AIR OR WATER. EXCESSIVE MOISTURE MAY CAUSE A CHEMICAL REACTION.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (METHOD USED): NOT APPLICABLE            FLAMMABLE LIMIT: NOT APPLICABLE

EXTINGUISHING MEDIA: CO2 WOULD BE PREFERRED ON SMALL FIRES IN SURROUNDING PACKAGES. WATER ON BROKEN PACKAGES OF TABLETS WILL CAUSE A CHEMICAL REACTION.

SPECIAL FIRE FIGHTING PROCEDURE: NO SPECIAL TECHNIQUES IDENTIFIED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXPOSED TABLETS CONTACTED WITH WATER COULD GENERATE SUFFICIENT HEAT TO IGNITE SURROUNDING COMBUSTIBLE MATERIAL.

SECTION V: HEALTH AND HAZARD DATA

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THRESHOLD LIMIT VALUE OF PRODUCT/MIXTURE: NOT DETERMINED

EFFECTS OF OVER EXPOSURE: NOT DETERMINED

CARCINOGEN OR SUSPECTED CARCINOGEN: NO

N/D = NOT DETERMINED

N/A = NOT APPLICABLE

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EMERGENCY AND FIRST AID PROCEDURES: FOR INGESTION OR SKIN CONTACT CALL A PHYSICIAN AT ONCE AND ARRANGE FOR TRANSPORT TO NEAREST EMERGENCY ROOM (ER).

WHILE AWAITING PHYSICIAN OR TRANSPORT TO ER:

INHALATION: WARNING! THE PRODUCT IS VERY CAUSTIC. IF DUST FROM ACCIDENTALLY CRUSHED TABLETS IS INHALED, REMOVE PATIENT FROM THE IMMEDIATE AREA AND OBTAIN MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER OR MILK. CALL A PHYSICIAN AT ONCE. INDICATE INGESTION OF CAUSTIC SODA (SODIUM HYDROXIDE) AND COPPER SULFATE.

SKIN CONTACT: IF SKIN CONTACT WITH THE DRY COMPOUND OR THE DISSOLVED TABLETS FLOOD THE CONTACTED AREA WITH WATER FOR AT LEAST 15 MINUTES. OBTAIN PROMPT

MEDICAL ATTENTION.

EYE CONTACT: GET MEDICAL ATTENTION IMMEDIATELY! ACUTE EXPOSURE! CONTACT MAY CAUSE SEVERE IRRITATION OF THE CORNEA. WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING UPPER AND LOWER LIDS UNTIL NO EVIDENCE OF CHEMICAL REMAINS. FLOOD FOR AT LEAST 15-20 MINUTES. CONTINUE IRRIGATING WITH NORMAL SALINE UNTIL THE PH HAS RETURNED TO NORMAL.

SECTION VI: REACTIVITY DATA

STABILITY: STABLE: STABLE IF KEPT DRY. MOISTURE WILL START A CHEMICAL REACTION WHICH WILL RELEASE GAS AND HEAT.

CONDITIONS TO AVOID (MATERIALS TO AVOID): ACCIDENTAL CONTACT WITH MOISTURE AND/OR WATER.

HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION WITH MOISTURE WILL PRODUCE A CAUSTIC SOLUTION.

HAZARDOUS POLYMERIZATION: MAY OCCUR: WILL NOT OCCUR: X

CONDITIONS TO AVOID: AVOID ACCIDENTAL CONTACT WITH MOISTURE BY KEEPING FOIL WRAPPED TABLETS PROTECTED FROM TEARS AND PUNCTURES.

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: TAKE UP SPILLED TABLETS AND DISSOLVE ONE AT A TIME IN AN OPEN CONTAINER OF WATER. CAUTION! THE RESULTING SOLUTION WILL BE VERY CAUSTIC. HANDLE AS A CONCENTRATED SOLUTION OF SODIUM HYDROXIDE.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

SECTION VIII: SPECIAL PROTECTION INFORMATION

VENTILATION: GENERAL ROOM VENTILATION

RESPIRATORY PROTECTION (SPECIFY TYPE): NOT REQUIRED

PROTECTIVE GLOVES: FOR HANDLING SPILLED OR BROKEN TABLETS, RUBBER GLOVES ARE RECOMMENDED.

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EYE PROTECTION: WHEN HANDLING SPILLED OR BROKEN TABLETS, SOME FORM OF SAFETY GLASSES SHOULD BE WORN.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: NONE ARE IDENTIFIED.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AS STARTED ON THE CONTAINER LABEL.

PREPARED BY: 1/23/91

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN MILES INC. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND THESE OPINIONS AND THE CONDITIONS OF USE OF THE PRODUCT ARE NOT WITHIN THE CONTROL OF MILES INC., IT IS THE USER'S OBLIGATION TO ASSURE SAFE USE OF THE PRODUCT.

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