



Curtin Matheson Scientific, Inc.
1225 N MICHAEL DRIVE

WOOD DALE, IL 60191-1019

FISONS

MATERIAL SAFETY DATA SHEET

FEB 08 1994

MAIL TO: UNIVERSITY OF WISCONSIN

WHITEWATER CENTRAL
RECEIVING STORES
N FREMONT ST

WHITEWATER, WI 53190

SECTION 1 - NAME AND PRODUCT

MANUFACTURER NAME AND ADDRESS
COULTER DIAGNOSTICS
P.O. BOX 4750

HALEAH FL 330140750
EMERGENCY PHONE 800-424-8802

COMMON NAME (ON LABEL)

ISOVIAL, RED

TRADE NAME & SYNONYMS

DILUENT REAGENT SYSTEM

CHEMICAL NUMBER:

ITEM NUMBER: 0278406

VNDR CATLG NBR: 7546970

ENTRY DATE: 01-15-91

CHANGE DATE: 12-13-93

PD NUMBER: UND40314

CHEMICAL FAMILY

NOT GIVEN

CHEMICAL FORMULA

NOT GIVEN

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
* 2-PHENOXYETHANOL	122-99-6	.30	NOT GIVEN	NOT GIVEN
* SODIUM FLUORIDE	7681-49-4	.03	NOT GIVEN	NOT GIVEN

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

OTHER INGREDIENT INFORMATION

ISOVIAL, RED CONTAINS THE COMPONENT ISOTON II DILUENT (12.6 ML),

COMMON SYNONYMS: BALANCED ELECTROLYTE SOLUTION.

*2-PHENOXYETHANOL 0.3% (CAS #122-99-6);

*SODIUM FLUORIDE 0.03% (CAS #7681-49-4).

SECTION 3 - PHYSICAL DATA

BOILING POINT 100 DEG. C	VOLATILE BY VOLUME (%) N/A	VAPOR PRESSURE N/A
MELTING POINT N/A	VAPOR DENSITY N/A	SOLUBILITY IN WATER 99%
EVAPORATION RATE (= 1) N/A	SPECIFIC GRAVITY 1.0	
APPEARANCE AND ODOR CLEAR LIQUID		

OTHER PHYSICAL DATA

NO OTHER PHYSICAL DATA GIVEN.

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT

N/A

LOWER EXPLOSIVE LIMIT

NOT GIVEN

UPPER EXPLOSIVE LIMIT

NOT GIVEN

EXTINGUISHING MEDIA

ANY

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE

SPECIAL FIRE FIGHTING PROCEDURES

NONE

SECTION 5 - HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE & CHRONIC)

SEE SIGNS AND SYMPTOMS OF EXPOSURE.

PRIMARY ROUTES OF EXPOSURE

INGESTION.

SIGNS AND SYMPTOMS OF EXPOSURE

SODIUM FLUORIDE: SEVERE SYMPTOMS FROM INGESTION OF LESS THAN ONE (1) GRAM (2 OR MORE LITERS OF THIS PRODUCT). MAY CAUSE NAUSEA, VOMITING, ABDOMINAL PAIN, STUPOR, WEAKNESS, TREMORS, RESPIRATORY AND CARDIAC FAILURE. DEATH FROM 5-10 GRAMS (12 OR MORE LITERS OF THIS PRODUCT).

SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
NONE INDICATED.

CARCINOGENICITY

INDICATORS NOT GIVEN

NTP Yes No

IARC Yes No

OSHA Yes No

NOT INDICATED.

EMERGENCY AND FIRST AID PROCEDURES

IN CASE OF PROLONGED SKIN CONTACT, FLUSH WITH PLENTY OF WATER. IN CASE OF INGESTION, GIVE VICTIM APPROPRIATE DOSE OF EFFERVESCENT CALCIUM GLUCONATE (IN COPIOUS AMOUNTS OF WATER OR MILK). CONTACT PHYSICIAN.

THRESHOLD LIMITS / TOXICITY DATA
NOT INDICATED.

SECTION 6 - REACTIVITY DATA

STABILITY Unstable Stable
CONDITIONS TO AVOID
NONE

INCOMPATIBILITY (MATERIALS TO AVOID)
NONE

SECTION 6 - REACTIVITY DATA (CONTINUED)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
POSSIBLE CHLORIDE SCALE.

HAZARDOUS POLYMERIZATION May Occur Will Not Occur
CONDITIONS TO AVOID
NONE

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
FLUSH WITH WATER TO APPROVED OUTSIDE DRAINAGE.

WASTE DISPOSAL METHOD
DISPOSER MUST BE COMPLY WITH FEDERAL, STATE AND LOCAL DISCHARGE REQUIREMENTS.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION
NONE REQUIRED

LOCAL VENTILATION
NONE REQUIRED

MECHANICAL VENTILATION
NONE REQUIRED

SPECIAL VENTILATION
NONE REQUIRED

SECTION 8 - SPECIAL PROTECTION INFORMATION (CONTINUED)

OTHER VENTILATION
NONE REQUIRED.

PROTECTIVE GLOVES

NONE REQUIRED

EYE PROTECTION

SAFETY GLASSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
LAB COATS.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
NONE REQUIRED.

SECTION 10 - OTHER INFORMATION**MISCELLANEOUS INFO.**

HEALTH..... 2 FLAMMABILITY....0; REACTIVITY... 1

CONTACT.....1; LABORATORY PROTECTIVE EQUIPMENT FOR

NORMAL USE: STANDARD LABORATORY PRACTICE, E.G., LAB COATS AND SAFETY GLASSES.

DO NOT INGEST. FOR IN-VITRO DIAGNOSTIC USE.

N/A = NOT APPLICABLE. N/A = NOT

AVAILABLE.