



**Curtin Matheson Scientific, Inc.**  
1225 N MICHAEL DRIVE  
WOOD DALE, IL 60191-1019

# MATERIAL SAFETY DATA SHEET

**MAIL TO:** MICHIGAN STATE UNIV  
RECEIVING DEPT.  
133 WEST SERVICE DR.  
EAST LANSING, MI 48824-1234

## SECTION 1 - NAME AND PRODUCT

**MANUFACTURER NAME AND ADDRESS**  
COULTER DIAGNOSTICS, INC  
7381 EMPIRE DR.

FLORENCE, KY 41042  
**EMERGENCY PHONE** 800-424-8802

**COMMON NAME (ON LABEL)**

ISOTON II DILUENT

**TRADE NAME & SYNONYMS**

BALANCED ELECTROLYTE SOLUTION  
ISOTON II DULUENT

**CHEMICAL NUMBER:**

**ITEM NUMBER:** 0375212

**VNDR CATLG NBR:** 8546719

**ENTRY DATE:** 12-14-89

**CHANGE DATE:** 09-12-95

**PD NUMBER:** 95800-CSR

**CHEMICAL FAMILY**

NOT GIVEN

**CHEMICAL FORMULA**

NOT GIVEN

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
2-PHENOXYETHANOL	122-99-6	.30	.000 SEC 5	.000 SEC 5
SODIUM FLUORIDE	7681-49-4	.03	.000 SEC 5	.000 SEC 5

**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

PRODUCT CONTAINS NO COMPONENT GREATER THAN 1%.

## SECTION 3 - PHYSICAL DATA

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

### OTHER PHYSICAL DATA

NO OTHER PHYSICAL DATA GIVEN.

## SECTION 4 - FIRE AND EXPLOSION DATA

## FLASH POINT

N/A

## LOWER EXPLOSIVE LIMIT

N/G

## UPPER EXPLOSIVE LIMIT

N/G

## EXTINGUISHING MEDIA

ANY

## UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE

## SPECIAL FIRE FIGHTING PROCEDURES

NONE

## SECTION 5 - HEALTH HAZARD DATA

## HEALTH HAZARDS (ACUTE &amp; CHRONIC)

SEE SIGNS AND SYSTEMS OF EXPOSURE.

## PRIMARY ROUTES OF EXPOSURE

NOT GIVEN

## SIGNS AND SYMPTOMS OF EXPOSURE

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

SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
NOT GIVEN

CARCINOGENICITY

INDICATORS NOT GIVEN

NTP  Yes  No

IARC  Yes  No

OSHA  Yes  No

NOT GIVEN

EMERGENCY AND FIRST AID PROCEDURES

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

THRESHOLD LIMITS / TOXICITY DATA

NONE GIVEN.

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**  
NOT APPLICABLE

**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. SEE DISPOSAL PROCEDURE.

**WASTE DISPOSAL METHOD**  
DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISCHARGE REQUIREMENTS. EPA HAZARDOUS WASTE  
NUMBER: NONE

**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**

NONE REQUIRED

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

STANDARD LABORATORY PRACTICE, E.G.; LAB COATS AND SAFETY GLASSES.

**SECTION 9 - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

PRECAUTIONARY LABEL STATEMENTS: DO NOT INGEST, FOR IN VITRO DIAGNOSITC USE.

**SECTION 10 - OTHER INFORMATION**

**MISCELLANEOUS INFO.**

SAFETY CODES: HEALTH = 2; FLAMMABILITY = 0; RACTIVITY = 1; CONTACT = 1.

N/A = NOT

AVAILABLE. N/G = NOT GIVEN

N/E = NONE ESTABLISHED

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