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COULTER DIAGNOSTICS DIVISION
A Division of *Coulter Corporation*
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ENVIRONMENTAL EMERGENCY (National Response Center) #(800) 424-8802

MSDS Part Number : 7585257-B Page: 1
Effective : 1/27/92 Issued: 1/27/92

SECTION I - PRODUCT IDENTIFICATION

Product Name : ISOVIAL, Red
CAS Number : None
NIOSH/RTECS Number: None
Common Synonyms : Diluent Reagent System
Product Part Number(s) : Coulter: 7546970

RECEIVED
RISK MANAGEMENT & SAFETY
OCT 31 1996

Coulter Safety Information

<input type="checkbox"/>	Health	(See attached component sheets)	<u>Code</u>
<input type="checkbox"/>	Flammability		0 = none
<input type="checkbox"/>	Reactivity		1 = slight
<input type="checkbox"/>	Contact		2 = caution
			3 = severe

Laboratory Protective Equipment for Normal Use : See attached component sheets pages 2 - 5.

Precautionary Label Statements : See attached component sheets pages 2 - 5.



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SECTION I - PRODUCT IDENTIFICATION

Product Name : ISOTON® II Diluent (12.6 mL)

CAS Number : None

NIOSH/RTECS Number: None

Common Synonyms : Balanced Electrolyte Solution

Coulter Safety Information

		<u>Code</u>
[2]	Health	
[0]	Flammability	0 = none
		1 = slight
[1]	Reactivity	2 = caution
		3 = severe
[1]	Contact	

Laboratory Protective Equipment for Normal Use : Standard laboratory practice, e.g., lab coats and safety glasses.

Precautionary Label Statements : Do not ingest. For In-Vitro Diagnostic Use.

SECTION II - HAZARDOUS COMPONENTS / CHEMICAL NAME

<u>Component</u>	<u>%</u>	<u>CAS Number</u>
None greater than 1%		
2-Phenoxyethanol	0.3	122-99-6
Sodium Fluoride	0.03	7681-49-4

SECTION III - PHYSICAL DATA

Boiling Point :	100°C	Vapor Pressure (mm Hg) :	N/A
Melting Point :	N/A	Vapor Density (Air = 1) :	N/A
Specific Gravity : (H ₂ O = 1)	1.0	Evaporation Rate : (Butyl Acetate = 1)	N/A
Solubility (H ₂ O):	99%	%Volatiles by Volume :	N/A
Flashpoint :	N/A		
Appearance and Color :	Clear Liquid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<u>Fire Extinguishing Media :</u>	Any
<u>Special Fire Fighting Procedures :</u>	None
<u>Unusual Fire and Explosion Hazards :</u>	None
<u>Toxic Gases Produced :</u>	None

SECTION V - HEALTH HAZARD DATA

<u>Effect of Overexposure :</u>	<u>Sodium Fluoride:</u> 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).
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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.

SECTION VI - REACTIVITY DATA

Stability : Highly
Conditions to Avoid : None
Incompatibility : None
Hazardous Polymerization : N/A
Decomposition Products : Possible chloride scale.

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in case of a spill or discharge : Flush with water to approved outside drainage. See Disposal Procedure below.

Disposal Procedure : Disposer must comply with Federal, State and Local discharge requirements.

EPA Hazardous Waste Number : None

SECTION VIII - PROTECTIVE EQUIPMENT

Ventilation : None required
Respiratory Protection : None required
Eye/Skin Protection : None required

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

Storage Coding : None
Special Precautions : None

ABBREVIATIONS

Section 01 - IDENTIFICATION

CAS Registry Number and Name - Chemical abstract service registry number and name as it appears in the EPA Toxic Substance Control Act Chemical Substance Inventory.

Section 02 - PHYSICAL AND HEALTH HAZARD INGREDIENTS

PEL - Permissible exposure limit for a chemical in the air as established by The Occupational Safety & Health Administration (OSHA).

TLV - Threshold limit value for a chemical in the air as established by The American Conference of Government Industrial Hygienists.

(PEL)TLV:TWA - The time-weighted average exposure for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed without adverse effect.

TLV:STEL - The short term exposure limit is a 15-minute time weighted average exposure which should not be exceeded at any time during a workday, even if the 8-hour TWA is within the TLV.

TLV:C - The ceiling concentration that should not be exceeded even instantaneously.

PEL: ACCEPTABLE CEILING CONCENTRATION - The concentration not to be exceeded during an 8-hour shift, except for a given time period, and not exceeding the concentration given as the acceptable maximum peak.

CARCINOGENIC REFERENCES - Will indicate whether the ingredient has been found to be a (potential) carcinogen by 1.) IARC (International Agency for Research on Cancer), 2.) NTP (National Toxicology Program) or 3.) OSHA (Occupational Safety & Health Administration).

Section 03 - PHYSICAL HAZARD DATA

FLASH POINT - Designated by method. CC - Closed Cup - OC - Open Cup

Section 04 - FIRE AND EXPLOSION DATA

NFPA HAZARD CODES - The National Fire Protection Association's Hazard Identification System intended to indicate inherent hazards of a chemical under emergency conditions such as fire. The degree of each of three hazards (Health/Flammability/ Reactivity) is rated by a numerical designation ranging from low to high of 0 to 4.

HMIS HAZARD CODES - The National Paint & Coatings Association's Hazard Materials Identification System intended to estimate the inherent hazards of a chemical under normal workplace situations. The degree of each of three hazards (Health/ Flammability/Reactivity) is rated by a numerical designation ranging from low to high of 0 to 4.

Section 05 - HEALTH HAZARD DATA

ACUTE LD50/LC50 - The Lethal Dose/Concentration required to kill 50% of a population of test animals by the route of administration indicated.

Section 07 - HEALTH HAZARD DATA

RCRA - Resource Conservation and Recovery Act.

ENVIRONMENTAL EMERGENCY (National Response Center) - Provides twenty-four (24) hour advice on hazardous chemical spills and can provide your local Poison Control Center telephone number.

The information published in the Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the usability and suitability of this information for its use and the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.