

DOC 5

MATERIAL SAFETY DATA SHEET  
SHEET 1 OF 2

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DISTRIBUTED BY VWR SCIENTIFIC

I. PRODUCT IDENTIFICATION

PRODUCT NAME D.O. PROBE ELECTROLYTE SOLUTION EFFECTIVE DATE: 3/7/94  
CAT. NO. 34105-057  
DISTRIBUTED BY VWR SCIENTIFIC

HAZARDOUS SHIPMENT LABELING: DOT IATA  
NONE NONE

PREPARED BY: THOMAS F. FLYNN TITLE: QUALITY ASSURANCE CHEMIST  
APPROVED BY: LYNN ORLOZ TITLE: DIRECTOR REGULATORY MATTERS

II. HAZARDOUS INGREDIENTS (IDENTITY INFORMATION)

HAZARDOUS COMPONENTS* SPECIFIC CHEMICAL IDENTITY:COMMON NAME(S)	CAS NO.	%	OSHA PEL	ACGIH TLV	TD LO
POTASSIUM CHLORIDE (KCL)	7447-40-7	9.5	NONE	NONE	2,500 (ORL-GPG)
**DEIONIZED WATER(H2O)	7732-18-5	90.5	NONE	NONE	190,000 (IPR-MUS)

III. PHYSICAL DATA

BOILING POINT 0 MMHG: 106 C  
SPECIFIC GRAVITY (H2O=1): 1.08  
PH @ 25 C: (5.5 - 7.5)  
VOLATILES % BY WT.: \*NA  
VAPOR DENSITY (AIR=1): NA  
APPEARANCE AND ODOR: ODORLESS LIQUID  
FREEZING POINT: -6 C  
VAPOR PRESSURE @: NA\*  
SOLUBILITY IN WATER, % BY WT @: MISCIBLE  
EVAPORATION RATE (BUTYL ACETATE=1): NA

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): NA AUTOIGNITION TEMPERATURE: NA  
FLAMMABLE LIMITS LOWER UPPER  
IN AIR, % BY VOLUME: NA NA  
EXTINGUISHING MEDIA: DRY, CHEMICAL, WATER, FOAM, CO2  
SPECIAL FIRE-FIGHTING PROCEDURES: NONE, THIS SOLUTION IS NON-FLAMMABLE  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

\* CHEMICALS WHICH ARE NOT CLASSIFIED AS HAZARDOUS PER U.S. OSHA GUIDELINES (29 CFR PARTS 1915.2 OR 1916.2) OR THE MASSACHUSETTS SUBSTANCE LIST (105CMR670.000 APPENDIX A) WILL NOT NECESSARILY BE LISTED ON THIS FORM EVEN THOUGH ONE OR MORE MAY BE A CONSTITUENT OF THIS PRODUCT.

\* NA NOT AVAILABLE/NOT APPLICABLE

\*\* NON-HAZARDOUS COMPONENT

LIABILITY IS EXPRESSLY DISCLAIMED FOR ANY LOSS OR INJURY ARISING OUT OF THE USE OF THIS INFORMATION OR THE USE OF ANY MATERIALS DESIGNATED. SAFE USE OF THE MATERIALS IS THE RESPONSIBILITY OF THE USER.

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V. REACTIVITY DATA

STABILITY:    STABLE  
CONDITIONS TO AVOID:    NONE

INCOMPATIBILITY (MATERIALS TO AVOID):  NA, SUITABLE FOR GENERAL STORAGE.

HAZARDOUS DECOMPOSITION PRODUCTS:  NA.

HAZARDOUS POLYMERIZATION:  WILL NOT OCCUR  
CONDITION TO AVOID:  NA.

VI. HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:	INHALATION?	SKIN?	INGESTION?
	NO	NO	NO
HEALTH HAZARDS (ACUTE AND CHRONIC):	NOT A CHRONIC OR ACUTE HAZARD FOR ALL		

ROUTES OF EXPOSURE; HOWEVER, AN ELECTROLYTE IMBALANCE MIGHT OCCUR IF SWALLOWED.  
HIGHLY TOXIC TOXIC COMPOUNDS.

CARCINOGENICITY: NTP? IARC MONOGRAPHS? OSHA REGULATED?  
NOT FOUND ON THESE LISTS.

SIGNS AND SYMPTOMS OF EXPOSURE: ITCHING OF SKIN, IRRITATION OF EYES IF ALLOWED  
TO COME IN DIRECT CONTACT.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: WILL CAUSE STINGING IN  
AN OPEN CUT.

EMERGENCY AND FIRST AID PROCEDURES: EYES: IRRIGATE WITH WATER. SKIN: WASH  
WITH SOAP AND WATER.

#### VII. PRECAUTIONS (SAFE HANDLING AND USE)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CLEAN UP AND WASH  
DOWN DRAIN IF LOCAL LAWS ALLOWS.

WASTE DISPOSAL METHOD: OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS WHEN  
DISPOSING OF THIS PRODUCT.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NONE, PRODUCT IS A LOW  
HAZARD.

NFPA RATING: SCALE(0-4); HEALTH-1, FIRE-0, REACTIVITY-0, SPECIFIC- NONE

OTHER PRECAUTIONS: KEEP CLOSED AND STORE AT ROOM TEMPERATURE TO  
PROTECT PRODUCT INTEGRITY. THIS PRODUCT IS NOT AFFECTED BY SARA TITLE III.  
NOT AFFECTED BY CAL, PROP 65. COMPONENTS LISTED IN TSCA INVENTORY.

#### VII. CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NO

VENTILATION LOCAL EXHAUST NO SPECIAL NO  
VENTILATION MECHANICAL(GENERAL) NO OTHER NO

PROTECTIVE GLOVES: NO EYE PROTECTION: SAFETY GLASSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NO.

WORK/HYGIENIC PRACTICES: WASH OFF HANDS AFTER WORKING WITH THIS PRODUCT.

\*\*\*LAST PAGE\*\*\*