

MATERIAL SAFETY DATA SHEET

PART NUMBER: R-502
IDENTITY: DPD/BUFFER MIXTURE
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.
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DATE REVISED: 01/26/11
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SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION

Table with 7 columns: COMPONENTS, CAS#, %, OSHA PEL, ACGIH TLV, OTHER LIMITS RECOMMENDED. Rows include POTASSIUM PHOSPHATE MONOBASIC, SODIUM PHOSPHATE DIBASIC, EDTA DISODIUM SALT DIHYDRATE, N,N-DIETHYL-p-PHENYLENE-DIAMINE SULFATE, NON-HAZARDOUS INGREDIENTS, and TOTAL.

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from http://www.jtbaker.com/msds/englishhtml/P6038.htm, http://www.jtbaker.com/msds/englishhtml/S4760.htm, http://www.jtbaker.com/msds/englishhtml/E0170.htm, http://www.vwrsp.com/msds/10/AAA/AAA17832-30.pdf and our best scientific understanding of the solution.

SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT NA
SPECIFIC GRAVITY (H2O = 1) SIMILAR TO KH2PO4 THE PRIMARY INGREDIENT
VAPOR PRESSURE (mm Hg/TEMPERATURE)
MELTING POINT UNKNOWN
VAPOR DENSITY (AIR = 1) NA
EVAPORATION RATE ( = 1) NA
SOLUBILITY IN WATER VERY
WATER REACTIVE NO
APPEARANCE AND ODOR LIGHT BROWN POWDER

SECTION 3--FIRE AND EXPLOSION HAZARD DATA

FLASH POINT AND METHOD USED NOT CONSIDERED TO BE A FIRE HAZARD
AUTO IGNITION TEMPERATURE
FLAMMABILITY LIMITS IN AIR % BY VOLUME
LEL
UEL
EXTINGUISHER MEDIA
SPECIAL FIRE FIGHTING PROCEDURES
UNUSUAL FIRE AND EXPLOSION HAZARDS: no info found

SECTION 4--REACTIVITY HAZARD DATA

STABILITY: STABLE X UNSTABLE\_\_
CONDITIONS TO AVOID: no info found
INCOMPATIBILITY (MATERIALS TO AVOID: no info found
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF PHOSPHOROUS POSSIBLE

HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_\_ WILL NOT OCCUR X  
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: N/A

**SECTION 5--HEALTH HAZARD DATA: R-502**

PRIMARY ROUTES OF ENTRY: INHALATION X SKIN ABSORPTION X  
INGESTION X NOT HAZARDOUS\_\_\_

CARCINOGEN LISTED: NTP\_\_\_ IARC\_\_\_ OSHA\_\_\_ NOT LISTED  
HEALTH HAZARDS: DPD IS VERY TOXIC BY INHALATION, INGESTION, AND SKIN CONTACT  
ACUTE: irritant  
CHRONIC: no info found

SIGNS AND SYMPTOMS OF EXPOSURE: IRRITANT

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: no info found

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES

SKIN CONTACT: WASH WITH SOAP AND WATER. RINSE THOROUGHLY.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULT SEEK MEDICAL ATTENTION.

INGESTION: DRINK SEVERAL GLASSES OF WATER, CONTACT A PHYSICIAN

**SECTION 6--CONTROL AND PROTECTIVE MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR (N95 filters)

PROTECTIVE GLOVES: X

EYE PROTECTION: X

VENTILATION TO BE USED

LOCAL EXHAUST: X

MECHANICAL (GENERAL):

SPECIAL: N/A

OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: see above

HYGIENIC WORK PRACTICES: Wash hands and work area

**SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Mop / water

WASTE DISPOSAL METHODS: APPROVED WASTE DISPOSAL

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP TIGHTLY SEALED

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: N/A

RATING:

HEALTH 2 FLAMMABILITY 1 REACTIVITY 1 SPECIFIC\_\_\_none