

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 6810  
NIIN: 00D002847  
Manufacturer's CAGE: 4T252  
Part No. Indicator: A  
Part Number/Trade Name: BUFFER SOLUTION PH 7.00

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General Information  
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Item Name: BUFFER SOLUTION  
Company's Name: HACH CO.  
Company's Street: 100 DAYTON RD.  
Company's P. O. Box: 907  
Company's City: AMES  
Company's State: IA  
Company's Country: US  
Company's Zip Code: 50010-6402  
Company's Emerg Ph #: 515-232-2533  
Company's Info Ph #: 800-227-4224  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: D  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SEU  
Date MSDS Prepared: 11NOV91  
Safety Data Review Date: 01JUL92  
Supply Item Manager: CX  
MSDS Preparer's Name:  
Preparer's Company:  
Preparer's St Or P. O. Box:  
Preparer's City:  
Preparer's State:  
Preparer's Zip Code:  
Other MSDS Number:  
MSDS Serial Number: BNBFL  
Specification Number: NOT APPLICABLE  
Spec Type, Grade, Class: N/R  
Hazard Characteristic Code: N1  
Unit Of Issue:  
Unit Of Issue Container Qty: UNKNOWN  
Type Of Container: UNKNOWN  
Net Unit Weight: UNKNOWN

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NRC/State License Number: NOT APPLICABLE  
Net Explosive Weight:  
Net Propellant Weight-Ammo: N/R  
Coast Guard Ammunition Code:

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Ingredients/Identity Information  
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Proprietary: NO  
 Ingredient: POTASSIUM PHOSPHATE, MONOBASIC  
 Ingredient Sequence Number: 01  
 Percent: <5  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: 1002090PP  
 CAS Number: 7778-77-0  
 OSHA PEL: NOT ESTABLISHED  
 ACGIH TLV: NOT ESTABLISHED  
 Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
 Ingredient: OTHER COMPONENTS, EACH  
 Ingredient Sequence Number: 02  
 Percent: <1  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: 9999999ZZ  
 CAS Number:  
 OSHA PEL: NOT APPLICABLE  
 ACGIH TLV: NOT APPLICABLE  
 Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
 Ingredient: WATER  
 Ingredient Sequence Number: 03  
 Percent: TO 100  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: ZC0110000  
 CAS Number: 7732-18-5  
 OSHA PEL: NOT ESTABLISHED  
 ACGIH TLV: NOT ESTABLISHED  
 Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR, YELLOW SOLUTION.  
 Boiling Point: 212F,100C  
 Melting Point: N/A  
 Vapor Pressure (MM Hg/70 F): N/A  
 Vapor Density (Air=1): N/A  
 Specific Gravity: 1.0  
 Decomposition Temperature: UNKNOWN  
 Evaporation Rate And Ref: N/A

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Solubility In Water: SOLUBLE  
 Percent Volatiles By Volume: N/A  
 Viscosity:  
 pH: 7  
 Radioactivity:  
 Form (Radioactive Matl):  
 Magnetism (Milligauss): N/P  
 Corrosion Rate (IPY): N/K  
 Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: N/A
Flash Point Method: N/P
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: NOT APPLICABLE
Special Fire Fighting Proc: NONE
Unusual Fire And Expl Hazrds: NONE
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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HEAT, EVAPORATION.
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomp Products: NONE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE
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Health Hazard Data

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LD50-LC50 Mixture: UNKNOWN
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: THIS MATERIAL IS PRACTICALLY NON-TOXIC.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT APPLICABLE
Signs/Symptoms Of Overexp: NO EFFECTS ANTICIPATED.
Med Cond Aggravated By Exp: NONE REPORTED.
Emergency/First Aid Proc: EYE AND SKIN CONTACT: FLUSH WITH PLENTY OF
WATER. INGESTION: GIVE LARGE QUANTITIES OF WATER. CALL PHYSICIAN
IMMEDIATELY. INHALATION: NOT APPLICABLE.
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: DILUTE WITH WATER. POUR DOWN THE DRAIN WITH
EXCESS WATER.
Neutralizing Agent: NONE
Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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Precautions-Handling/Storing: STORE TIGHTLY CLOSED.
Other Precautions: NONE

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Control Measures

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Respiratory Protection: NONE SPECIFIED BY MANUFACTURER.
Ventilation: NONE SPECIFIED BY MANUFACTURER.
Protective Gloves: NONE SPECIFIED BY MANUFACTURER.
Eye Protection: LAB GRADE GOGGLES.
Other Protective Equipment: NONE
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Suppl. Safety & Health Data: NONE
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Transportation Data

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Transportation Action Code:

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Transportation Focal Point: D  
 Trans Data Review Date: 92183  
 DOT PSN Code: ZZZ  
 DOT Symbol:  
 DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
 DOT Class: N/R  
 DOT ID Number: N/R  
 DOT Pack Group:  
 DOT Label: N/R  
 DOT/DoD Exemption Number:  
 IMO PSN Code: ZZZ  
 IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
 IMO Regulations Page Number: N/R  
 IMO UN Number: N/R  
 IMO UN Class: N/R  
 IMO Subsidiary Risk Label: N/R  
 IATA PSN Code: ZZZ  
 IATA UN ID Number: N/R  
 IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
 IATA UN Class: N/R  
 IATA Subsidiary Risk Class: N/R  
 IATA Label: N/R  
 AFI PSN Code: ZZZ  
 AFI Symbols:  
 AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
 AFI Class: N/R  
 AFI ID Number: N/R  
 AFI Pack Group:  
 AFI Label: N/R  
 AFI Special Prov:  
 AFI Basic Pac Ref:  
 MMAC Code:  
 N.O.S. Shipping Name:  
 Additional Trans Data: NONE

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Disposal Data

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Disposal Data Action Code:  
 Disposal Data Focal Point:  
 Disposal Data Review Date:  
 Rec # For This Disp Entry:  
 Tot Disp Entries Per NSN:  
 Landfill Ban Item:  
 Disposal Supplemental Data:  
 1st EPA Haz Wst Code New:  
 1st EPA Haz Wst Name New:  
 1st EPA Haz Wst Char New:  
 1st EPA Acute Hazard New:  
 2nd EPA Haz Wst Code New:  
 2nd EPA Haz Wst Name New:  
 2nd EPA Haz Wst Char New:  
 2nd EPA Acute Hazard New:  
 3rd EPA Haz Wst Code New:  
 3rd EPA Haz Wst Name New:  
 3rd EPA Haz Wst Char New:  
 3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES  
Technical Review Date: 01JUL92  
Label Date: 01JUL92  
MFR Label Number:  
Label Status: F  
Common Name: BUFFER SOLUTION PH 7.00  
Chronic Hazard: NO  
Signal Word: NONE  
Acute Health Hazard-None: X  
Acute Health Hazard-Slight:  
Acute Health Hazard-Moderate:  
Acute Health Hazard-Severe:  
Contact Hazard-None: X  
Contact Hazard-Slight:  
Contact Hazard-Moderate:  
Contact Hazard-Severe:  
Fire Hazard-None: X  
Fire Hazard-Slight:  
Fire Hazard-Moderate:  
Fire Hazard-Severe:  
Reactivity Hazard-None: X  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions: THIS MATERIAL IS PRACTICALLY NON-TOXIC. STORE  
TIGHTLY CLOSED. FIRST AID: EYE AND SKIN CONTACT: FLUSH WITH PLENTY OF  
WATER. INGESTION: GIVE LARGE QUANTITIES OF WATER. CALL PHYSICIAN  
IMMEDIATELY. INHALATION: NOT APPLICABLE.

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Protect Eye:  
Protect Skin:  
Protect Respiratory:  
Label Name: HACH CO.  
Label Street: 100 DAYTON RD.  
Label P.O. Box: 907  
Label City: AMES  
Label State: IA  
Label Zip Code: 50010-6402  
Label Country: US  
Label Emergency Number: 515-232-2533  
Year Procured: