

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

FSC: 6810
NIIN: 00F031192
Manufacturer's CAGE: 4T252
Part No. Indicator: A
Part Number/Trade Name: 21431 DILUTION WATER CONCENTRATE, APHA

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General Information

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Item Name: MAGNESIUM CHLORIDE PILLOWS
Company's Name: HACH COMPANY
Company's Street: 100 DAYTON AVENUE
Company's P. O. Box: 907
Company's City: AMES
Company's State: IA
Company's Country: US
Company's Zip Code: 50010
Company's Emerg Ph #: 800-227-4224
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: F
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 16MAR90
Safety Data Review Date: 12NOV93
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company: HACH COMPANY
Preparer's St Or P. O. Box: 100 DAYTON AVENUE
Preparer's City: AMES
Preparer's State: IA
Preparer's Zip Code: 50010
Other MSDS Number:
MSDS Serial Number: BSMVJ
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

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NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: MAGNESIUM CHLORIDE, HEXAHYDRATE
Ingredient Sequence Number: 01
Percent: <5
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: OM2975000
CAS Number: 7791-18-6
OSHA PEL: N/K
ACGIH TLV: N/K
Other Recommended Limit: N/K
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Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: <100
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: N/K
ACGIH TLV: N/K
Other Recommended Limit: N/K
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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR LIQUID W/NO ODOR
Boiling Point: 100C
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): N/K
Specific Gravity: 1.002
Decomposition Temperature: N/K
Evaporation Rate And Ref: (WATER = 1): 0.77
Solubility In Water: COMPLETE
Percent Volatiles By Volume: N/K
Viscosity:
pH: 5.7
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: N/R
Flash Point Method: N/P
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: N/R
Special Fire Fighting Proc: N/K
Unusual Fire And Expl Hazrds: N/K
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Reactivity Data

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Stability: YES

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Cond To Avoid (Stability): EXTREME HEAT OR FLAMES
 Materials To Avoid: OXIDIZERS
 Hazardous Decomp Products: N/K
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): N/K

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Health Hazard Data

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LD50-LC50 Mixture: N/K
 Route Of Entry - Inhalation: NO
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: NONE
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NONE
 Signs/Symptoms Of Overexp: N/K
 Med Cond Aggravated By Exp: N/K
 Emergency/First Aid Proc: EYES/SKIN: FLUSH W/PLENTY OF WATER. INGESTION:
 GIVE LARGE QUANTITIES OF WATER OR MILK. OBTAIN MEDICAL ATTENTION IN ALL
 CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: DILUTE W/WATER. POUR DOWN THE DRAIN W/EXCESS
 WATER.
 Neutralizing Agent: N/K
 Waste Disposal Method: DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL
 REGULATIONS.
 Precautions-Handling/Storing: STORE TIGHTLY CLOSED.
 Other Precautions: N/K

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Control Measures

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Respiratory Protection: N/K
 Ventilation: N/K
 Protective Gloves: N/K
 Eye Protection: SAFETY GLASSES W/TOP & SIDE SHIELDS

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Other Protective Equipment: N/K
 Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
 Suppl. Safety & Health Data: N/K

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Transportation Data

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Transportation Action Code:
 Transportation Focal Point:
 Trans Data Review Date:
 DOT PSN Code:
 DOT Symbol:
 DOT Proper Shipping Name:
 DOT Class:
 DOT ID Number:
 DOT Pack Group:
 DOT Label:
 DOT/DoD Exemption Number:
 IMO PSN Code:
 IMO Proper Shipping Name:

IMO Regulations Page Number:
 IMO UN Number:
 IMO UN Class:
 IMO Subsidiary Risk Label:
 IATA PSN Code:
 IATA UN ID Number:
 IATA Proper Shipping Name:
 IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

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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:

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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: 12NOV93
 Label Date: 12NOV93
 MFR Label Number: N/R
 Label Status: F
 Common Name: 21431 DILUTION WATER CONCENTRATE, APHA
 Chronic Hazard: NO
 Signal Word: CAUTION!
 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:
Reactivity Hazard-Slight: X
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: NONE EYES/SKIN: IRRITATION. INGESTION:
IRRITATION, GASTROINTESTINAL DISTURBANCES. INHALATION: IRRITATION,
NARCOSIS. TARGET ORGANS: EYES/SKIN, DIGESTIVE TRA
Protect Eye: Y
Protect Skin:
Protect Respiratory:
Label Name: HACH COMPANY
Label Street: 100 DAYTON AVENUE
Label P.O. Box: 907
Label City: AMES
Label State: IA
Label Zip Code: 50010
Label Country: US
Label Emergency Number: 800-227-4224
Year Procured: UNK