

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

FSC: 6810
NIIN: 012714046
Manufacturer's CAGE: 34807
Part No. Indicator: A
Part Number/Trade Name: ALKALINE POTASSIUM IODIDE AZIDE,7166-G,74-6630

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General Information

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Item Name: POTASSIUM IODIDE SOLUTION,ALKALINE
Company's Name: LAMOTTE CHEMICAL PRODUCTS CO
Company's Street: RT 213 N
Company's P. O. Box: 329
Company's City: CHESTERTOWN
Company's State: MD
Company's Country: US
Company's Zip Code: 21620
Company's Emerg Ph #: 410-778-3100
Company's Info Ph #: 410-778-3100
Distributor/Vendor # 1: CAROLINA BIOGOLICAL SUPPLY CO
Distributor/Vendor # 1 Cage: 59896
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#: 002
Status: SE
Date MSDS Prepared: 08JAN92
Safety Data Review Date: 04NOV96
Supply Item Manager: CX
MSDS Preparer's Name: UNKNOWN
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: BGSBK
Specification Number: NONE
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: C2
Unit Of Issue: BT
Unit Of Issue Container Qty: 25 ML
Type Of Container: BOTTLE
Net Unit Weight: UNKNOWN

Report for NIIN: 012714046

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

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Ingredients/Identity Information

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Proprietary: NO
 Ingredient: POTASSIUM HYDROXIDE (CERCLA)
 Ingredient Sequence Number: 01
 Percent: 59.5
 Ingredient Action Code:
 Ingredient Focal Point: D
 NIOSH (RTECS) Number: TT2100000
 CAS Number: 1310-58-3
 OSHA PEL: C 2 MG/M3
 ACGIH TLV: C 2 MG/M3; 9596
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
 Ingredient: SODIUM AZIDE (SARA 302) (CERCLA)
 Ingredient Sequence Number: 02
 Percent: 1
 Ingredient Action Code:
 Ingredient Focal Point: D
 NIOSH (RTECS) Number: VY8050000
 CAS Number: 26628-22-8
 OSHA PEL: S, C 0.1 PPM(HN3)
 ACGIH TLV: C 0.11 PPM; 9596
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
 Ingredient: POTASSIUM IODIDE
 Ingredient Sequence Number: 03
 Percent: 14.4
 Ingredient Action Code:
 Ingredient Focal Point: D
 NIOSH (RTECS) Number: TT2975000
 CAS Number: 7681-11-0
 OSHA PEL: NOT ESTABLISHED
 ACGIH TLV: NOT ESTABLISHED
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
 Ingredient: WATER
 Ingredient Sequence Number: 04
 Percent: 25.1
 Ingredient Action Code:
 Ingredient Focal Point: D
 NIOSH (RTECS) Number: ZC0110000
 CAS Number: 7732-18-5
 OSHA PEL: NOT ESTABLISHED
 ACGIH TLV: NOT ESTABLISHED

Report for NIIN: 012714046

Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR, COLORLESS LIQUID - ODORLESS
 Boiling Point: UNKNOWN
 Melting Point: UNKNOWN
 Vapor Pressure (MM Hg/70 F): NOT KNOWN
 Vapor Density (Air=1): NOT KNOWN
 Specific Gravity: UNKNOWN
 Decomposition Temperature: UNKNOWN

Evaporation Rate And Ref: NOT KNOWN
 Solubility In Water: SOLUBLE
 Percent Volatiles By Volume: N/K
 Viscosity: UNKNOWN
 pH: 14
 Radioactivity: NOT RELEVANT
 Form (Radioactive Matl):
 Magnetism (Milligauss): N/P
 Corrosion Rate (IPY): UNKNOWN
 Autoignition Temperature: N/R

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 Fire and Explosion Hazard Data
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Flash Point: NONE
 Flash Point Method: N/P
 Lower Explosive Limit: N/R
 Upper Explosive Limit: N/R
 Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
 Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.
 Unusual Fire And Expl Hazrds: UNKNOWN

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 Reactivity Data
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Stability: YES
 Cond To Avoid (Stability): CONTACT WITH ACIDS
 Materials To Avoid: ACIDS
 Hazardous Decomp Products: UNKNOWN
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

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 Health Hazard Data
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LD50-LC50 Mixture: LD50 (ORAL, RAT) IS NOT KNOWN.
 Route Of Entry - Inhalation: NO
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: TARGET ORGANS:EYES, SKIN, GASTROINTESTINAL TRACT. ACUTE- CORROSIVE TO ALL BODY TISSUES WHICH IT COMES IN CONTACT WITH. INHALATION NOT LIKELY TO OCCUR. MAY CAUSE SEVERE EYE BURNS & INJURY. MAY CAUSE SEVERE SKIN BURNS. INGESTION CAN CAUSE BURNS & TISSUE PERFORATION.

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CHRONIC- UNKNOWN

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NONE

Signs/Symptoms Of Overexp: SEVERE IRRITATION, SEVERE BURNS, PAIN, NAUSEA, VOMITING

Med Cond Aggravated By Exp: UNKNOWN

Emergency/First Aid Proc: GET MEDICAL HELP IF SYMPTOMS PERSIST.

INHALED:UNLIKELY. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SEE PHYSICIAN. SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER & DRINK A GLASS OF WATER. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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 Precautions for Safe Handling and Use
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 Steps If Matl Released/Spill: VENTILATE AREA. AVOID SKIN CONTACT.
 NEUTRALIZE WITH 6M HCL AND FLUSH DOWN DRAIN WITH EXCESS WATER OR ABSORB
 SPILL WITH VERMICULITE OR OTHER INERT MATERIAL. PLACE IN A CONTAINER FOR
 CHEMICAL WASTE. WASH AREA WITH PLENTY OF WATER TO REMOVE RESIDUE.
 Neutralizing Agent: SULFURIC, NITRIC, HYDROCHLORIC, PHOSPHORIC
 Waste Disposal Method: WASTE DISPOSAL TO BE PERFORMED IN COMPLIANCE WITH
 ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. NEUTRALIZED SOLUTION MAY
 BE FLUSHED DOWN DRAIN WITH EXCESS WATER IF ALLOWED.
 Precautions-Handling/Storing: STORE IN CLOSED CONTAINERS AWAY FROM ACIDS.
 VIOLENT REACTION CAN OCCUR WHEN MIXED WITH ACID.
 Other Precautions: WARNING! CORROSIVE. DO NOT BREATHE MISTS. DO NOT GET IN
 EYES, ON SKIN OR ON CLOTHING. KEEP OUT OF REACH OF CHILDREN. WASH
 THOROUGHLY AFTER HANDLING.
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Control Measures

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 Respiratory Protection: NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR FOR
 SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED RESPIRATOR OR AIR-PURIFYING
 RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-
 CONTAINED BREATHING APPARATUS.
 Ventilation: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV
 REQUIREMENTS.
 Protective Gloves: NITRILE, RUBBER, NEOPRENE, PVC
 Eye Protection: SPLASH PROOF CHEMICAL SAFETY GOGGLES
 Other Protective Equipment: SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE
 LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF EXPOSURE.
 Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
 RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.
 Suppl. Safety & Health Data:
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Transportation Data

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 Transportation Action Code:
 Transportation Focal Point: D
 Trans Data Review Date: 96309
 DOT PSN Code: LZ0
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Report for NIIN: 012714046

DOT Symbol:
 DOT Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
 DOT Class: 8
 DOT ID Number: UN1814
 DOT Pack Group: II
 DOT Label: CORROSIVE
 DOT/DoD Exemption Number: NOT RELEVANT
 IMO PSN Code: MDV
 IMO Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
 IMO Regulations Page Number: 8214
 IMO UN Number: 1814
 IMO UN Class: 8
 IMO Subsidiary Risk Label: -
 IATA PSN Code: UPY
 IATA UN ID Number: 1814
 IATA Proper Shipping Name: POTASSIUM HYDROXIDE SOLUTION
 IATA UN Class: 8
 IATA Subsidiary Risk Class:
 IATA Label: CORROSIVE
 AFI PSN Code: UPY
 AFI Symbols:

AFI Prop. Shipping Name: POTASSIUM HYDROXIDE SOLUTION
 AFI Class: 8
 AFI ID Number: UN1814
 AFI Pack Group: II
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref: A12.3
 MMAC Code:
 N.O.S. Shipping Name: CONTAINS 59.5 % POTASSIUM HYDROXIDE AND 1 % SODIUM AZIDE.
 Additional Trans Data: CONTAINS 59.5% POTASSIUM HYDROXIDE AND 1% SODIUM AZIDE. THIS MAY MEET 49 CFR 173.4 (EXCEPTIONS FOR SMALL QUANTITIES) AND IMO CARRIAGE OF DANGEROUS GOODS IN LIMITED QUANTITIES.

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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:

Report for NIIN: 012714046

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: 04NOV96
 Label Date:
 MFR Label Number: UNKNOWN
 Label Status: F
 Common Name: ALKALINE POTASSIUM IODIDE AZIDE,7166-G,74-6630
 Chronic Hazard: N/P
 Signal Word: DANGER!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe: X
 Contact Hazard-None:
 Contact Hazard-Slight:
 Contact Hazard-Moderate:
 Contact Hazard-Severe: X
 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: TARGET ORGANS:EYES, SKIN, GI TRACT. ACUTE-CORROSIVE TO ALL BODY TISSUES WHICH IT COMES IN CONTACT WITH. INHALATION NOT LIKELY TO OCCUR. MAY CAUSE SEVERE EYE BURNS & INJURY. MAY CAUSE SEVERE SKIN BURNS. INGESTION CAN CAUSE BURNS. CHRONIC- UNKNOWN. STORE AWAY FROM ACIDS. NEUTRALIZE SPILL WITH 6M HCL & FLUSH DOWN DRAIN WITH EXCESS WATER. FIRST AID- GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:UNLIKELY. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SEE PHYSICIAN. SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER & DRINK WATER. GET MEDICAL ATTENTION AT ONCE.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory:

Label Name: LAMOTTE CHEMICAL PRODUCTS CO

Label Street: RT 213 N

Label P.O. Box: 329

Label City: CHESTERTOWN

Label State: MD

Label Zip Code: 21620

Label Country: US

Label Emergency Number: 410-778-3100

Year Procured: 1996