

126796
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 6810
NIIN: 002648955
Manufacturer's CAGE: 1U692
Part No. Indicator: A
Part Number/Trade Name: (ACETONE) ACS, AX0120 DIMETHYL KETONE; 2-PROPA
NONE

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General Information

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Item Name:
Company's Name: EM SCIENCE, DIVISION OF EM INDUSTRIES
Company's Street: 480 DEMOCRAT RD
Company's P. O. Box: 70
Company's City: GIBBSTOWN
Company's State: NJ
Company's Country: US
Company's Zip Code: 08027
Company's Emerg Ph #: 800-424-9300 (CHEMTREC)
Company's Info Ph #: 609-354-9200
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: N
Record No. For Safety Entry: 006
Tot Safety Entries This Stk#: 021
Status: SMJ
Date MSDS Prepared: 06OCT89
Safety Data Review Date: 11APR97
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:

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Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BDQXM
Specification Number: 0-C-265
Spec Type, Grade, Class:
Hazard Characteristic Code: F2
Unit Of Issue: GL
Unit Of Issue Container Qty: 1 GALLON
Type Of Container: GLASS BOTTLE
Net Unit Weight: 6.6 LBS

Report for NIIN: 002648955

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: ACETONE (SARA III)
Ingredient Sequence Number: 01
Percent: 100
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: AL3150000
CAS Number: 67-64-1
OSHA PEL: 1000PPM
ACGIH TLV: 750PPM/1000STEL;9293
Other Recommended Limit:

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Physical/Chemical Characteristics

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Appearance And Odor: COLORLESS LIQUID, PUNGENT ODOR
Boiling Point: 133F,56C
Melting Point: -137F,-94C
Vapor Pressure (MM Hg/70 F): 184 @20C
Vapor Density (Air=1): 2.0
Specific Gravity: 0.7905
Decomposition Temperature:
Evaporation Rate And Ref: 14.48, BUAC
Solubility In Water: MISCIBLE
Percent Volatiles By Volume: 100

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Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss): N/P
Corrosion Rate (IPY):
Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: OF,-18C CC
Flash Point Method: CC
Lower Explosive Limit: 2.6
Upper Explosive Limit: 12.8
Extinguishing Media: DRY CHEMICAL, "ALCOHOL" FOAM, WATER SPRAY, CO2. U
SE
WATER SPRAY TO COOL EXPOSED CONTAINERS.
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTEC
TIVE
EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: VAP CAN TRAVEL DISTS TO IGNIT SOURCE & F
LASH
BACK. HOT ORG CHEM VAPS/MISTS ARE SUSCEPTIBLE TO SUDDEN SPONT COMBUSTI
ON
WHEN MIXED W/AIR. IGNIT MAY OCCUR (SUPDAT)

Report for NIIN: 002648955

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HEAT, CONTACT WITH IGNITION SOURCE.
Materials To Avoid: ACIDS, OXIDIZERS, POTASSIUM T-BUTOXIDE, NITRIC AND
SULFURIC ACID MIXTURE, BROMINE, CHLORINE.
Hazardous Decomp Products: CO2, CO
Hazardous Poly Occur: N/P
Conditions To Avoid (Poly):

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Health Hazard Data

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LD50-LC50 Mixture:

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Route Of Entry - Inhalation: N/P

Route Of Entry - Skin: N/P

Route Of Entry - Ingestion: N/P

Health Haz Acute And Chronic:

Carcinogenicity - NTP: N/P

Carcinogenicity - IARC: N/P

Carcinogenicity - OSHA: N/P

Explanation Carcinogenicity:

Signs/Symptoms Of Overexp: NARCOTIC AT HIGH CONCENTRATION.

Med Cond Aggravated By Exp:

Emergency/First Aid Proc: INH:MOVE TO FRESH AIR. EYES:FLUSH W/WATER AT LEAST 15 MINS. CALL MD.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ELIMINATE SOURCES OF IGNITION. FLUSH W/LARGE

VOLUMES OF WATER.

Neutralizing Agent:

Waste Disposal Method: TO BE PERFORMED IN COMPLIANCE W/ALL CURRENT LOCAL,

STATE & FEDERAL REGULATIONS.

Precautions-Handling/Storing: STORE AWAY FROM SOURCE OF IGNITION.

EXTREMELY FLAMMABLE. GROUND DRUMS AT ALL TIMES.

Other Precautions:

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Control Measures

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Respiratory Protection: NIOSH/MSHA APPRVD ORGANIC CHEM CANISTER OR SUPPLIED AIR.

Ventilation: LOCAL EXHAUST

Protective Gloves: RUBBER/VINYL

Eye Protection: GOGGLES OR FACE SHIELD

Other Protective Equipment: EYE BATH & SAFETY SHOWER

Work Hygienic Practices:

Suppl. Safety & Health Data: CONTAINER SIZE:1 GAL BOTTLE.

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Transportation Data

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Transportation Action Code:

Transportation Focal Point: N

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Report for NIIN: 002648955

Trans Data Review Date: 96060
 DOT PSN Code: ABF
 DOT Symbol:
 DOT Proper Shipping Name: ACETONE
 DOT Class: 3
 DOT ID Number: UN1090
 DOT Pack Group: II
 DOT Label: FLAMMABLE LIQUID
 DOT/DoD Exemption Number:
 IMO PSN Code: ADF
 IMO Proper Shipping Name: ACETONE
 IMO Regulations Page Number: 3102
 IMO UN Number: 1090
 IMO UN Class: 3.1
 IMO Subsidiary Risk Label: -
 IATA PSN Code: ACM
 IATA UN ID Number: 1090
 IATA Proper Shipping Name: ACETONE
 IATA UN Class: 3
 IATA Subsidiary Risk Class:
 IATA Label: FLAMMABLE LIQUID
 AFI PSN Code: ACM
 AFI Symbols:
 AFI Prop. Shipping Name: ACETONE
 AFI Class: 3
 AFI ID Number: UN1090
 AFI Pack Group: II
 AFI Label: FLAMMABLE LIQUID
 AFI Special Prov:
 AFI Basic Pac Ref: 7-7
 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: E
 Disposal Data Review Date: 88292
 Rec # For This Disp Entry: 01
 Tot Disp Entries Per NSN: 007
 Landfill Ban Item: YES
 Disposal Supplemental Data: CONTAINER SIZE:1 GAL BOTTLE. IN CASE OF
 ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR

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PRECAUTIONS.

1st EPA Haz Wst Code New: U002
1st EPA Haz Wst Name New: ACETONE; 2-PROPANONE
1st EPA Haz Wst Char New: IGNITABLE (I)
1st EPA Acute Hazard New: NO
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:

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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: 07APR94
Label Date: 07APR94
MFR Label Number:
Label Status: G
Common Name: (ACETONE) ACS, AX0120 DIMETHYL KETONE; 2-PROPANONE
Chronic Hazard: NO
Signal Word: DANGER!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate: X
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: FLAMMABLE LIQUID. STORE IN COOL AREA AWAY
FROM
IGNITION SOURCES AND OXIDIZERS. ACUTE:SYMPTOMS OF EXPOSURE:HARMFUL IF

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INHALED OR SWALLOWED. HIGH CONCENTRATIONS OR PROLONGED EXPOSURE CAUSES HEADACHE, DIZZINESS, NAUSEA, IRRITATION OF EYES AND RESPIRATORY TRACT, NARCOSIS AND EVENTUALLY UNCONSCIOUSNESS. MAY CAUSE DAMAGE TO CNS, LIVER AND KIDNEYS. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION. EYE CONTACT CAUSES IRRITATION. CHRONIC:ANIMAL STUDIES SHOW ADVERSE EFFECTS ON FERTILITY WHEN FEMALES WERE EXPOSED CHRONICALLY DURING PREGNANCY. TESTS ON LAB ANIMALS INDICATE MATERIAL MAY PRODUCE MUTAGENIC & REPRODUCTION EFFECTS.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: EM SCIENCE, DIVISION OF EM INDUSTRIES

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Label P.O. Box: 70

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Label Zip Code: 08027

Label Country: US

Label Emergency Number: 800-424-9300 (CHEMTREC)

Year Procured: