

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

FSC: 5330
NIIN: 00F047843
Manufacturer's CAGE: 3A730
Part No. Indicator: A
Part Number/Trade Name: CROCIDOLITE ASBESTOS

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General Information
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Item Name:
Company's Name: RESEARCH TRIANGLE INSTITUTE
Company's Street: 3040 CORNWALLIS ROAD
Company's P. O. Box: 12194
Company's City: RESEARCH TRIANGLE PARK
Company's State: NC
Company's Country: US
Company's Zip Code: 27709-5000
Company's Emerg Ph #: 919-541-7399/919-541-6573
Company's Info Ph #: 919-541-6800/919-541-7184
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: 03MAY95
Safety Data Review Date: 10MAY96
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company: RESEARCH TRIANGLE INSTITUTE
Preparer's St Or P. O. Box: 3040 CORNWALLIS ROAD
Preparer's City: RESEARCH TRIANGLE PARK
Preparer's State: NC
Preparer's Zip Code: 27709-5000
Other MSDS Number:
MSDS Serial Number: BZDMH
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: CROCIDOLITE (HUMAN CARCINOGENCITY BY IARC GROUP 1;
CARCINOGENCITY BY NTP) *96-1*
Ingredient Sequence Number: 01
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: CI6475000
CAS Number: 12001-28-4
OSHA PEL: 5 PPM
ACGIH TLV: 5 PPM
Other Recommended Limit: N/K
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Physical/Chemical Characteristics

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Appearance And Odor: BLUE RIGID FIBERS; ODORLESS
Boiling Point: N/R
Melting Point: (SEE SUPP)
Vapor Pressure (MM Hg/70 F): N/R
Vapor Density (Air=1): N/R
Specific Gravity: 3.25
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/R
Solubility In Water: INSOLUBLE
Percent Volatiles By Volume: N/K
Viscosity:
pH: N/K
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/K
Flash Point Method: N/P
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING MATERIAL IN
FIRE SITUATION.
Special Fire Fighting Proc: AVOID MEDIA & PROCEDURES THAT CAUSE AIRBORNE
DUST. PERSONNEL INVOLVED IN FIRE FIGHTING SHOULD USE NIOSH/MSHA APPROVED
SCBA & FULL PROTECTION CLOTHING.
Unusual Fire And Expl Hazrds: N/K

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): TEMPS >2180F
Materials To Avoid: NONE
Hazardous Decomp Products: NONE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/K
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Health Hazard Data

LD50-LC50 Mixture:

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: INHALATION: MAY IRRITATE THE RESPIRATORY TRACT. OVEREXPOSURE TO ASBESTOS HAS CAUSED DAMAGE TO LUNGS(ASBESTOS), LUNG CANCER & MESOTHELIOMA OF THE PLEURA & PERITONEUM, PLEURA THICKENING, PLAQUES & EFFUSION. SKIN: ASBESTOS SPLINTERS MAY PENETRATE & CAUSE ASBESTOS CORNS. EYES: IRRITATION. INGESTION: GI & LARYNGEAL CANCER.

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: SEE INGREDIENTS.

Signs/Symptoms Of Overexp: IRRITATION, DIFFICULTY IN BREATHING, CORNS, ABRASIONS, LABORED BREATHING, CHEST PAINS, WEAKNESS, CHEST TIGHTNESS.

Med Cond Aggravated By Exp: LUNG DISORDERS.

Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SKIN: REMOVE ASBESTOS SLIVERS PROMPTLY. IF ASBESTOS CORN DEVELOPS, SURGICAL REMOVAL MAY BE REQUIRED. EYES: IRRIGATE GENTLY W/ WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTES TO PHYSICIAN: A MEDICAL SURVEILLANCE PROGRAM MUST BE ESTABLISHED FOR ASBESTOS EXPOSED PERSONS IAW/OSHA STANDARD FOR ASBESTOS.

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 Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: AVOID BREATHING DUST. PERMIT ONLY TRAINED CLEANUP PERSONNEL IN AREA. USE APPROVED RESPIRATORS & PROTECTIVE CLOTHING. USE WET METHODS/APPROVED VACUUM CLEANING SYSTEM. USE WATER/OTHER DUST SUPPRESANTS WHERE SWEEPING IS UNAVOIDABLE. DON'T STIR UP.(SUPP)

Neutralizing Agent: N/K

Waste Disposal Method: BAGS, FRIABLE ASBESTOS, WASTE & SCRAP MATERIAL SHOULD BE DISPOSED OF IN A MANNER WHICH WILL AVOID AIRBORNE CONCENTRATIONS OF ASBESTOS. ASBESTOS IS CLASSIFIED AS HAZARDOUS MATERIAL UNDER CWA 307 (A) & HAS A REPORTABLE QUANTITY OF 1 LB. (SEE SUPP)

Precautions-Handling/Storing: FOR INDUSTRIAL USE ONLY. STORE ASBESTOS IN CLOSED CONTAINERS(DUST-TIGHT)IN A CLEAN, DRY SECURE AREA. PROTECT CONTAINERS FROM DAMAGE.

Other Precautions: DON'T OPEN CONTAINERS THAT CAN RELEASE DUST W/O PROPER ENCLOSURE/CONTROL MEASURES. USE DUST SUPPRESSION CONTROL MEASURES AT STAGES OF ASBESTOS HANDLING, USE & DISPOSAL. AVOID INHALATION OF ASBESTOS. DON'T CREATE/BREATHE DUST.

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 Control Measures
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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR: 10X PEL-HALF-MASK AIR-PURIFYING RESPIRATOR W/HEPA FILTERS; 50X PEL-FULL FACE PIECE AIR-PURIFYING RESPIRATOR W/HEPA FILTERS; 100X PEL-POWERED AIR-PURIFYING RESPIRATOR W/HEPA FILTERS OPERATED IN CONTINUOUS FLOW

Ventilation: ADEQUATE EXHAUST & CAPTURE FILTRATION. HAND/POWER-OPERATED TOOLS MUST BE EQUIPPED W/LOCAL EXHAUST SYSTEMS.

Protective Gloves: RECOMMENDED

Eye Protection: GOGGLES

Other Protective Equipment: FOR CONCENTRATIONS >OSHA PELS: COVERALLS, WHOLE-BODY CLOTHING, HOOD COVERINGS, GLOVES & FOOT COVERINGS ARE REQUIRED.

Work Hygienic Practices: FOLLOW GOOD HOUSEKEEPING PRACTICES. DON'T TAKE PROTECTIVE EQUIPMENT/CLOTHING HOME.

Suppl. Safety & Health Data: MELTING POINT: 2180F(FUSION POINT). SPILLS CONT'D: CLEANUP PERSONNEL SHOULD WEAR APPROVED RESPIRATORS & PROTECTIVE

CLOTHING. WASTE & CONTAMINATED CLOTHING MUST BE PLACED IN DUST-TIGHT CONTAINERS & LABELED FOR DISPOSAL. WASTE CONT'D: DISPOSE WASTE CONTAINERS IN A SECURED LANDFILL IAW/LOCAL, STATE & FEDERAL REGULATIONS.

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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:

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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:
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:
Label Date:
MFR Label Number:
Label Status: G
Common Name: CROCIDOLITE ASBESTOS
Chronic Hazard: N/P
Signal Word:
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None:
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:

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Reactivity Hazard-Severe:
Special Hazard Precautions: INHALATION: MAY IRRITATE THE RESPIRATORY TRACT. OVEREXPOSURE TO ASBESTOS HAS CAUSED DAMAGE TO LUNGS(ASBESTOS), LUNG CANCER & MESOTHELIOMA OF THE PLEURA & PERITONEUM, PLEURA THICKENING, PLAQUES & EFFUSION. SKIN: ASBESTOS SPLINTERS MAY PENETRATE & CAUSE ASBESTOS CORNS. EYES: IRRITATION. INGESTION: GI & LARYNGEAL CANCER. IRRITATION, DIFFICULTY IN BREATHING, CORNS, ABRASIONS, LABORED BREATHING, CHEST PAINS, WEAKNESS, CHEST TIGHTNESS.

Protect Eye:
Protect Skin:
Protect Respiratory:
Label Name: RESEARCH TRIANGLE INSTITUTE
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Label P.O. Box: 12194
Label City: RESEARCH TRIANGLE PARK
Label State: NC
Label Zip Code: 27709-5000
Label Country: US
Label Emergency Number: 919-541-7399/919-541-6573
Year Procured: