

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

FSC: 5970  
NIIN: 00F050632  
Manufacturer's CAGE: 81851  
Part No. Indicator: A  
Part Number/Trade Name: EX FLEX PRODUCTS

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General Information

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Item Name:  
Company's Name: BENTLEY-HARRIS MFG CO/SUB OF T & N INC  
Company's Street: 241 WELSH POOL RD  
Company's P. O. Box: N/K  
Company's City: LIONVILLE  
Company's State: PA  
Company's Country: US  
Company's Zip Code: 19353-5000  
Company's Emerg Ph #: 215-363-2600  
Company's Info Ph #: 215-363-2600  
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: 10JUN94  
Safety Data Review Date: 30JUL97  
Supply Item Manager:  
MSDS Preparer's Name:  
Preparer's Company: BENTLEY-HARRIS MFG CO/SUB OF T & N INC  
Preparer's St Or P. O. Box: 241 WELSH POOL RD  
Preparer's City: LIONVILLE  
Preparer's State: PA  
Preparer's Zip Code: 19353-5000  
Other MSDS Number:  
MSDS Serial Number: CCCQY  
Specification Number:  
Spec Type, Grade, Class:  
Hazard Characteristic Code:  
Unit Of Issue:  
Unit Of Issue Container Qty:  
Type Of Container:  
Net Unit Weight:

Report for NIIN: 00F050632

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: GLASS OXIDE, FIBER GLASS WOOL, LEAD BOROSILICATE GLASS ENAMEL  
 FLUX  
 Ingredient Sequence Number: 01  
 Percent: 90  
 Ingredient Action Code:  
 Ingredient Focal Point: F  
 NIOSH (RTECS) Number: 1007116GO  
 CAS Number: 65997-17-3  
 OSHA PEL: N/K  
 ACGIH TLV: N/K  
 Other Recommended Limit: N/K

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Proprietary: NO  
 Ingredient: OXALIC ACID (ETHANEDIOL ACID) \*97-2\*  
 Ingredient Sequence Number: 02  
 Percent: <1  
 Ingredient Action Code:  
 Ingredient Focal Point: F  
 NIOSH (RTECS) Number: RO2450000  
 CAS Number: 144-62-7  
 OSHA PEL: 1 MG/CUM  
 ACGIH TLV: 1 MG/CUM  
 Other Recommended Limit: 0.05 PPM

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Proprietary: NO  
 Ingredient: ACRYLIC LATEX  
 Ingredient Sequence Number: 03  
 Percent: 9  
 Ingredient Action Code:  
 Ingredient Focal Point: F  
 NIOSH (RTECS) Number: 1003723AC  
 CAS Number:  
 OSHA PEL: N/K  
 ACGIH TLV: N/K  
 Other Recommended Limit: N/K

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Proprietary: NO  
 Ingredient: COLORANT  
 Ingredient Sequence Number: 04  
 Percent: 1  
 Ingredient Action Code:  
 Ingredient Focal Point: F  
 NIOSH (RTECS) Number: 1001827CO  
 CAS Number:  
 OSHA PEL: N/K

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ACGIH TLV: N/K  
 Other Recommended Limit: N/K

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Proprietary: NO  
 Ingredient: AMMONIUM HYDROXIDE, AQUA AMMONIA \*97-2\*  
 Ingredient Sequence Number: 05  
 Percent: <1  
 Ingredient Action Code:  
 Ingredient Focal Point: F  
 NIOSH (RTECS) Number: BQ9625000  
 CAS Number: 1336-21-6

OSHA PEL: N/K  
 ACGIH TLV: 25 PPM  
 Other Recommended Limit: 25 PPM

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Physical/Chemical Characteristics

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Appearance And Odor: TUBULAR PRODUCT W/VARIOUS COLORS; NO ODOR  
 Boiling Point: N/K  
 Melting Point: 1472F  
 Vapor Pressure (MM Hg/70 F): N/K  
 Vapor Density (Air=1): N/K  
 Specific Gravity: 2.45  
 Decomposition Temperature: N/K  
 Evaporation Rate And Ref: N/K  
 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: NON-BURNING  
 Flash Point Method: N/P  
 Lower Explosive Limit: N/K  
 Upper Explosive Limit: N/K  
 Extinguishing Media: NON-BURNING.  
 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): NONE  
 Materials To Avoid: NONE  
 Hazardous Decomp Products: NO THERMAL DECOMPOSITION SHOULD OCCUR UNDER  
 NORMAL USE.  
 Hazardous Poly Occur: NO

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Conditions To Avoid (Poly): NONE

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Health Hazard Data

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LD50-LC50 Mixture:  
 Route Of Entry - Inhalation: YES  
 Route Of Entry - Skin: YES  
 Route Of Entry - Ingestion: NO  
 Health Haz Acute And Chronic: MAY CAUSE IRRITATION TO MOUTH, NOSE & EYES.  
 SKIN: IRRITATION. EYES: IRRITATION & CONJUNCTIVITIS. INHALATION: FIBERS MAY  
 CAUSE LUNG IRRITATION & SLIGHT INCREASES IN LUNG CANCER AMONG WORKERS.  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explananation Carcinogenicity: NONE  
 Signs/Symptoms Of Overexp: IRRITATION, RASHES, ITCHING.

Med Cond Aggravated By Exp: PERSONS W/A HISTORY OF CHRONIC RESPIRATORY/  
SKIN CONDITIONS.

Emergency/First Aid Proc: EYES: FLUSH THOROUGHLY W/CLEAR WATER FOR 15  
MINS. SKIN: RINSE AREA W/COOL WATER & USE MILD SOAP. 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: NONE  
Neutralizing Agent: N/K  
Waste Disposal Method: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.  
Precautions-Handling/Storing: NONE  
Other Precautions: AVOID SCRATCHING & RUBBING IRRITATED AREAS.

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Control Measures  
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Respiratory Protection: IF CUTTING, USE NIOSH APPROVED RESPIRATOR.  
Ventilation: LOCAL EXHAUST  
Protective Gloves: ANY TYPE  
Eye Protection: SAFETY GLASSES WHEN CUTTING.  
Other Protective Equipment: N/K  
Work Hygienic Practices: WASH HANDS THOROUGHLY BEFORE EATING/SMOKING.  
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:

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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:  
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:  
Technical Review Date:  
Label Date:  
MFR Label Number:

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Label Status:  
Common Name:  
Chronic Hazard:  
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:  
Reactivity Hazard-Severe:  
Special Hazard Precautions:  
Protect Eye:  
Protect Skin:  
Protect Respiratory:  
Label Name:  
Label Street:

Label P.O. Box:  
Label City:  
Label State:  
Label Zip Code:  
Label Country:  
Label Emergency Number:  
Year Procured: