

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

FSC: 6665
NIIN: 00N081158
Manufacturer's CAGE: 0CHD7
Part No. Indicator: A
Part Number/Trade Name: CRACK CHECK PENETRANT - PHF AEROSOL, PHF315-12

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General Information
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Item Name:
Company's Name: DYNAFLUX INC
Company's Street: 241 BROWN FARM RD
Company's P. O. Box:
Company's City: CARTERSVILLE
Company's State: GA
Company's Country: US
Company's Zip Code: 30120
Company's Emerg Ph #: 800-255-3924
Company's Info Ph #: 404-382-8843
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: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 10MAY90
Safety Data Review Date: 17DEC97
Supply Item Manager:
MSDS Preparer's Name: KIM SMALLWOOD
Preparer's Company: SAME
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: CFZSW
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: ALIPHATIC HYDROCARBONS
Ingredient Sequence Number: 01
Percent: >5
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1010768AH
CAS Number: 8052-42-3
OSHA PEL: 500 PPM (MFR)
ACGIH TLV: 100 PPM (MFR)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: HEAVY AROMATIC NAPHTHA; (AROMATIC HYDROCARBONS)
Ingredient Sequence Number: 02
Percent: >50
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: VG7067000
CAS Number: 64741-67-9
OSHA PEL: 100 PPM (MFR)
ACGIH TLV: 100 PPM (MFR)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: XYLENE; (XYLOL) (SARA 313) (CERCLA)
Ingredient Sequence Number: 03
Percent: 2.5
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM;150 STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: PROPANE, 2-METHYL-; (ISOBUTANE)
Ingredient Sequence Number: 04
Percent: <35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: TZ4300000
CAS Number: 75-28-5
OSHA PEL: 1000 PPM (MFR)
ACGIH TLV: N/K (FP N)

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Other Recommended Limit: N/K

Proprietary: NO
Ingredient: PROPANE; (PROPANE BLEND)
Ingredient Sequence Number: 05
Percent: <35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM

ACGIH TLV: ASPHYXIAN
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: AZO DYE; (DISAZO DYE BLEND)
 Ingredient Sequence Number: 06
 Percent: >5
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 1001499AZ
 CAS Number:
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)
 Other Recommended Limit: N/K

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Physical/Chemical Characteristics

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Appearance And Odor: RED LIQUID W/SOLVENT ODOR.
 Boiling Point: N/A
 Melting Point: N/K
 Vapor Pressure (MM Hg/70 F): 60 PSIG
 Vapor Density (Air=1): N/K
 Specific Gravity: 0.945 (H*20=1)
 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: FLAMMABLE
 Flash Point Method: N/P
 Lower Explosive Limit: N/K
 Upper Explosive Limit: N/K
 Extinguishing Media: CO*2, FOAM, DRY CHEMICAL.

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Special Fire Fighting Proc: USE NIOSH APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N).
 Unusual Fire And Expl Hazrds: DO NOT EXPOSE AEROSOLS TO TEMPERATURES ABOVE
 130F OR CONTAINER MAY EXPLODE.

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Reactivity Data

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Stability: YES
 Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAME.
 Materials To Avoid: STRONG OXIDIZERS.
 Hazardous Decomp Products: VARIOUS OXIDES OF CARBON & NITROGEN.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: ACUTE:INHALATION:HEADACHE, DIZZINESS,
 NAUSEA. IF VAPOR CONCENTRATION EXCEEDS TLV, POSSIBLE UNCONSCIOUSNESS OR
 COULD BE FATAL. EYE CONTACT:MILD IRRITATION. SKIN CONTACT:POSSIBLE MILD
 IRRITATION FROM DEFATting BY SOLVENTS. INGESTION:NAUSEA, POSSIBLE
 ASPIRATION PNEUMONIA IF VOMITED. CHRONIC:POSSIBLE NEURAL DISFUNCTION.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: NONE KNOWN.
 Emergency/First Aid Proc: EYES:FLUSH W/WATER FOR AT LEAST 15 MINUTES. GET
 MEDICAL ATTENTION. SKIN:WASH W/SOAP & WATER OR WATERLESS HAND CLEANER. SEE
 MD IF IRRITATION DEVELOPS. INHAL:REMOVE TO FRESH AIR. RESUSCITATE. GET
 MEDICAL AID. INGEST:DO NOT INDUCE VOMITING. CALL MD.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: AVOID BREATHING VAPORS. REMOVE IGNITION
 SOURCES. SOAP UP W/ABSORBENT MATERIAL.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: INCINERATE OR LANDFILL ACCORDING TO LOCAL, STATE &
 FEDERAL REGULATIONS. AEROSOL CANS, WHEN VENTED TO ATMOSPHERIC PRESSURE
 THROUGH NORMAL USE, POSE NO DISPOSAL PROBLEM.
 Precautions-Handling/Storing: AVOID BREATHING VAPORS. DO NOT PUNCTURE OR
 INCINERATE CONTAINER. DO NOT STORE AT TEMPERATURES ABOVE 130F.
 Other Precautions: AVOID CONTAMINATION OF FOOD. KEEP OUT OF REACH OF
 CHILDREN.

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Control Measures

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Respiratory Protection: IF VAPOR CONCENTRATION EXCEEDS TLV, WEAR NIOSH
 APPROVED RESPIRATOR FOR ORGANIC VAPORS.

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Ventilation: ADEQUATE TO KEEP VAPOR CONCENTRATION BELOW TLV.
 Protective Gloves: RUBBER GLOVES.
 Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).
 Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET
 ANSI DESIGN CRITERIA (FP N).
 Work Hygienic Practices: WASH HANDS BEFORE HANDLING FOOD.
 Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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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:

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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: 17DEC97
 Label Date: 09DEC97
 MFR Label Number:
 Label Status: G
 Common Name: CRACK CHECK PENETRANT - PHF AEROSOL, PHF315-12
 Chronic Hazard: YES
 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: X
Contact Hazard-Moderate:
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. ACUTE: INHALATION: HEADACHE,
DIZZINESS, NAUSEA. IF VAPOR CONCENTRATION EXCEEDS TLV, POSSIBLE
UNCONSCIOUSNESS OR COULD BE FATAL. EYE CONTACT: MILD IRRITATION. SKIN
CONTACT: POSSIBLE MILD IRRITATION FROM DEFATTING BY SOLVENTS. INGESTION:
NAUSEA, POSSIBLE ASPIRATION PNEUMONIA IF VOMITED. CHRONIC: POSSIBLE NEURAL
DISFUNCTION.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: DYNAFLUX INC
Label Street: 241 BROWN FARM RD
Label P.O. Box:

Report for NIIN: 00N081158

Label City: CARTERSVILLE
Label State: GA
Label Zip Code: 30120
Label Country: US
Label Emergency Number: 800-255-3924
Year Procured: