

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

FSC: 8010
NIIN: 00N010769
Manufacturer's CAGE: FLAME
Part No. Indicator: A
Part Number/Trade Name: FLAME CONTROL VARNISH

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General Information
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Item Name:
Company's Name: FLAME CONTROL COATINGS, INC.
Company's Street: 4120 HYDE PARK BLVD
Company's P. O. Box: 786
Company's City: NIAGARA FALLS
Company's State: NY
Company's Country: US
Company's Zip Code: 14302
Company's Emerg Ph #: 716-282-1399
Company's Info Ph #: 716-282-1399
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#: 002
Status:
Date MSDS Prepared: 01DEC89
Safety Data Review Date: 03AUG95
Supply Item Manager:
MSDS Preparer's Name:
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: BHNYV
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: F4
Unit Of Issue: NK
Unit Of Issue Container Qty: N/K
Type Of Container: N/K
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: ANTIMONY PENTOXIDE; (ANTIMONY OXIDE)
 Ingredient Sequence Number: 01
 Percent: 1
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: CC6300000
 CAS Number: 1314-60-9
 OSHA PEL: 0.5 MG/M3 (SB)
 ACGIH TLV: 0.5 MG/M3 (SB)
 Other Recommended Limit: N/K
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Proprietary: NO
 Ingredient: MINERAL SPIRITS; (STODDARD SOLVENT). VP:2. LEL:1.1%.
 Ingredient Sequence Number: 02
 Percent: 51
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 1003545MS
 CAS Number: 64742-88-7
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: 100 PPM (MFR)
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Proprietary: NO
 Ingredient: VOLATILE ORGANIC COMPOUNDS. %: 4.3 LB/GAL (515 G/L).
 Ingredient Sequence Number: 03
 Percent: SEE ING
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999VO
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K
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Physical/Chemical Characteristics

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 Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.
 Boiling Point: >318F,>159C
 Melting Point: N/K (FP N)
 Vapor Pressure (MM Hg/70 F): N/K (FP N)
 Vapor Density (Air=1): >1 (AIR=1)
 Specific Gravity: 0.934
 Decomposition Temperature: N/K (FP N)
 Evaporation Rate And Ref: SLOWER THAN ETHER
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Solubility In Water: N/K (FP N/ORNL)
 Percent Volatiles By Volume: 6.7
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss): N/P
 Corrosion Rate (IPY): N/K
 Autoignition Temperature:
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Fire and Explosion Hazard Data

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Flash Point: 100F,37.8C
Flash Point Method: CC
Lower Explosive Limit: SEE ING 2
Upper Explosive Limit: 0.7%
Extinguishing Media: FOAM,CARBON DIOXIDE,DRY CHEMICAL
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT (FP N).WATER NOT ORDINARILY EFFECTIVE,SOLID HOSE
STREAMS TEND TO SPREAD FIRE.
Unusual Fire And Expl Hazrds: THIS MATERIAL IS COMBUSTIBLE & MAY BE
IGNITED BY HEAT, SPARKS, FLAME & STATIC ELECTRICITY.
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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): EXCESSIVE HEAT, SPARKS, OPEN FLAME.
Materials To Avoid: STRONG ACIDS/BASES, OXIDIZING AGENTS.
Hazardous Decomp Products: THERMAL DECOMPOSITION IN THE PRESENCE OF AIR
MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT
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Health Hazard Data
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LD50-LC50 Mixture: N/K (FP N/ORNL)
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: REPORTS HAVE ASSOCIATED REPEATED & PROLONGED
OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN & NERVOUS SYSTEM
DAMAGE.INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE
VAPORS MAY BE HARMFUL OR FATAL.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: EYES:IRRITATION. SKIN:DEFATTING, SLIGHT
IRRITANT.
Med Cond Aggravated By Exp: PRE-EXISTING UPPER RESPIRATORY & LUNG DISEASE
SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA, ASTHMA.
Emergency/First Aid Proc: EYES:FLUSH WITH GENTLE STREAM OF WATER FOR AT
LEAST 15 MINUTES.SEE MD.SKIN:REMOVE FROM FURTHER EXPOSURE,FLUSH AFFECTED

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AREA WITH WATER OR MILD SOAP AND WATER.INGESTION:CALL MD IMMEDIATELY (FP N)
.INHALATION:REMOVE TO FRESH AIR.SUPPORT BREATHING (GIVE O*2/ARTIFICIAL
RESPIRATION) (FP N).
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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: WIPE UP IMMEDIATELY AND DISCARD SATURATED
ABSORBENTS.IN EVENT OF LARGE SPILLS,DIKE AREA AND PUMP MATERIAL INTO WASTE
TANK,REMOVE ANY SOURCE OF IGNITION,AVOID BREATHING OF VAPORS.
Neutralizing Agent: N/K (FP N/ORNL)
Waste Disposal Method: DISPOSE OF I/A/W LOCAL, STATE & FEDERAL
REGULATIONS.
Precautions-Handling/Storing: MATL IS CLASSIFIED AS A COMBUST LIQ. KEEP
AWAY FROM HEAT & OPEN FLAME. USE W/ADEQ VENT. AVOID CONTACT W/SKIN. DO NOT
STORE AT TEMPS >100F.
Other Precautions: AVOID SKIN CONTACT & BREATHING OF VAPORS & SANDING

DUST. USE W/ADEQUATE VENTILATION.

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Control Measures
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Respiratory Protection: NIOSH/MSHA APPROVED SCBA OR AIR RESPIRATOR OR AIR MASK WHERE THERE IS OXYGEN DEFICIENCY.
Ventilation: LOCAL EXHAUST:EXPLOSION PROOF TYPE.
Protective Gloves: IMPERVIOUS GLOVES (FP N).
Eye Protection: CHEM WORK GOGG (FP N).
Other Protective Equipment: ALL MOTORS & SWITCHES SHOULD BE EXPLOSION PROOF.
Work Hygienic Practices: N/K (FP N/ORNL)
Suppl. Safety & Health Data: N/K (FP N/ORNL)

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Transportation Data
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Transportation Action Code:
Transportation Focal Point: N
Trans Data Review Date: 90130
DOT PSN Code: GJL
DOT Symbol:
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
DOT Class: 3
DOT ID Number: UN1993
DOT Pack Group: III
DOT Label: FLAMMABLE LIQUID
DOT/DoD Exemption Number: N/R
IMO PSN Code: HIA
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMO Regulations Page Number: 3345
IMO UN Number: 1993
IMO UN Class: 3.3
IMO Subsidiary Risk Label: -
IATA PSN Code: MCA
IATA UN ID Number: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3

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IATA Subsidiary Risk Class:
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MCA
AFI Symbols:
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Class: 3
AFI ID Number: UN1993
AFI Pack Group: III
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref: 7-7
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data: CONTAINERS ASSUMED TO BE UNDER 110 GALLONS

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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: 30OCT92
 Label Date: 30OCT92
 MFR Label Number:
 Label Status: G
 Common Name: FLAME CONTROL VARNISH
 Chronic Hazard: YES
 Signal Word: WARNING!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight: X
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X

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Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate: X
 Fire Hazard-Severe:
 Reactivity Hazard-None:
 Reactivity Hazard-Slight:
 Reactivity Hazard-Moderate:
 Reactivity Hazard-Severe:
 Special Hazard Precautions: COMBUSTIBLE. AVOID ACIDS, BASES, OXIDIZERS.
 ACUTE: IRRITATING TO EYES. DEFATTING TO SKIN OR SLIGHT IRRITATION.
 INTENTIONAL MISUSE MAY BE HARMFUL OR FATAL. MAY IRRITATE UPPER RESPIRATORY
 OR LUNG DISEASES. CHRONIC: PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.
 Protect Eye: Y
 Protect Skin: Y
 Protect Respiratory: Y
 Label Name: FLAME CONTROL COATINGS, INC.
 Label Street: 4120 HYDE PARK BLVD
 Label P.O. Box: 786
 Label City: NIAGARA FALLS
 Label State: NY
 Label Zip Code: 14302
 Label Country: US
 Label Emergency Number: 716-282-1399
 Year Procured: