

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

FSC: 8010
NIIN: 00N050079
Manufacturer's CAGE: 28745
Part No. Indicator: A
Part Number/Trade Name: #410 GRAFFITI REMOVER

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General Information

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Item Name:
Company's Name: HILLYARD INDUSTRIES INC
Company's Street:
Company's P. O. Box: 909
Company's City: ST JOSEPH
Company's State: MO
Company's Country: US
Company's Zip Code: 64502
Company's Emerg Ph #: 800-255-4564
Company's Info Ph #: 816-233-1321
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: 21SEP92
Safety Data Review Date: 07JUL94
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: BVGBS
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: NK
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: TOLUENE (SARA III)
Ingredient Sequence Number: 01
Percent: 20-35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 200 PPM;150 STEL
ACGIH TLV: 50 PPM
Other Recommended Limit: N/K
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Proprietary: NO
Ingredient: PROPANE, 2-METHYL-; (ISOBUTANE)
Ingredient Sequence Number: 02
Percent: 5-15
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: TZ4300000
CAS Number: 75-28-5
OSHA PEL: 800 PPM (MFR)
ACGIH TLV: 800 PPM (MFR)
Other Recommended Limit: N/K
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Proprietary: NO
Ingredient: 2-BUTOXYETHANOL
Ingredient Sequence Number: 03
Percent: 5-10
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 50 PPM, S
ACGIH TLV: 25 PPM, S
Other Recommended Limit: N/K
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Proprietary: NO
Ingredient: PROPANE
Ingredient Sequence Number: 04
Percent: 2-5
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIAN
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Other Recommended Limit: N/K

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Proprietary: NO
Ingredient: ACETONE (SARA III)
Ingredient Sequence Number: 05
Percent: 1-5
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: AL3150000
CAS Number: 67-64-1
OSHA PEL: 1000PPM
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ACGIH TLV: 750 PPM;1000 STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: DECYL ALCOHOL; (9-OCTADECANOIC ACID)
Ingredient Sequence Number: 06
Percent: 1-5
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: HE4375000
CAS Number: 112-30-1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 07
Percent: 10-30
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: OTHER INGREDIENTS; (OTHER NON REGULATED INGREDIENTS)
Ingredient Sequence Number: 08
Percent: 15-40
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 10055540I
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: OPAQUE WHITE TO LIGHT EMULSION WITH AN AROMATIC ODOR
IN AN AEROSOL CAN.
Boiling Point: 132F,56C
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): 40+/-5PSIG
Vapor Density (Air=1): > 1
Specific Gravity: 0.95 (H*20=1)
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K
Solubility In Water: COMPLETE
Percent Volatiles By Volume: N/K
Viscosity:
pH: SUPDAT
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: SUPP DATA
 Flash Point Method: N/P
 Lower Explosive Limit: N/K
 Upper Explosive Limit: N/K
 Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL FOAM.
 Special Fire Fighting Proc: USE WATER SPRAY TO KEEP CONTAINERS COOL & VAPORS DOWN. DO NOT ALLOW TO ENTER SEWERS OR PUBLIC WATERCOURSES. WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP(FP N).
 Unusual Fire And Expl Hazrds: AEROSOL CONTAINERS (PRESSURIZED) MAY BURST IF HEATED OVER 120F. FLAMMABLE CONTENTS.

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Reactivity Data

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Stability: YES
 Cond To Avoid (Stability): EXTREME HEAT, DIRECT SUNLIGHT.
 Materials To Avoid: STRONG ACIDS AND OXIDZERS, CHLORINATED COMPOUNDS AND SELECT AMINES.
 Hazardous Decomp Products: OXIDES OF CARBON, SMOKE, SOOT.
 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: DANGER. ACUTE:CAUSES EYE AND SKIN BURNS. FLAMMABLE LIQ & VAPOR. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THRU SKIN.

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CHRONIC: REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE CAN CAUSE DERMATITIS AND PAINTER'S SYNDROME. SIGNS & SYMPS: REDNESS, BURNING, DRYING OF SKIN. DROWSINESS, DIZZ, LOSS OF COORD, (EFTS OF OVEREXP)
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT
 Signs/Symptoms Of Overexp: HLTH HAZ: FATIGUE. SLICK FEELING IN SKIN. REDNESS, BURNING AND TEARING IN EYES. NOTE: TOLUENE APPEARS ON THE NAVY LIST OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPOP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOSURE INFO (FP N). ANIMAL STUDIES HAVE CLEARLY DEMONSTRATED (SUPP DATA)
 Med Cond Aggravated By Exp: PRE-EXISTING SKIN AND LUNG DISORDERS. OVEREXPOSURE MAY ALSO AGGRAVATE PRE-EXISTING BLOOD, LIVER AND KIDNEY DISORDERS.
 Emergency/First Aid Proc: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. GET MEDICAL ATTN IMMED. INGEST: CALL MD IMMED. ONLY INDUCE VOMIT @ THE INSTRUCTION OF MD. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHAL: GET TO FRESH AIR. IF UNCONSCIOUS, QUALIFIED PERSONNEL SHOULD ADMIN ARTF RESP. SKIN: FLUSH WITH PLENTY OF WATER FOR @ LST 15 MIN WHILE REMOVING CONTAM CLTHG & SHOES. GET MED ATTN IMMEDIATELY.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: ISOLATE TRAFFIC AND VENTILATE AREA.

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ELIMINATE ALL IGNITION SOURCES. WEAR PROTECTIVE GEAR AS NECESSARY. DIKE TO PREVENT SPREAD. CAUTION, SLIP AND FALL HAZARD.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: CONSULT LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT PUNCTURE OR INCINERATE CONTAINER. REPLACE CAP ON EMPTY CAN, WRAP, THEN DISCARD CONTAINER IF ALLOWED BY APPLICABLE STATUTES.

Precautions-Handling/Storing: FLAMMABLE. CORROSIVE. DO NOT STORE AT TEMPS EXCEEDING 120°F. STORE IN DRY LOCATION AWAY FROM HEAT, SPARKS AND OPEN FLAME, & DIRECT SUNLIGHT.

Other Precautions: DIRECT SPRAY AWAY FROM FACE. REPLACE CAP WHEN NOT IN USE. AVOID CONTAMINATION OF FOOD. DO NOT INHALE FUMES. TOXIC BY ABSORPTION, INHALATION AND INGESTION.

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Control Measures

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Respiratory Protection: NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION. IF PELS OR TLVS ARE EXCEEDED (SEE INGRED SECTION), USE AN APPROVED NIOSH/MSHA RESPIRATOR.

Ventilation: LOCAL EXHAUST: ACCEPTABLE. MECHANICAL (GENERAL): YES.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPROVD CHEM WORKER GOGGLES (FP N).

Other Protective Equipment: ONLY AS NEEDED TO PREVENT DIRECT CONTACT (I.E. , APRON, BOOTS, ETC).

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Suppl. Safety & Health Data: PH: 12.5+/-0.5. FL PT: USA FLAME PROJECTION TEST - FLAMM (>18", NO FLASHBACK). EFTS OF OVEREXP: DOSE-RELATED ADVERSE EFTS ON THE CNS, HEMATOPOIETIC TISSUE, BLOOD, KIDNEYS AND LIVER ASSOC W/THE ADMINISTRATION OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE). (EXTRACTED FROM

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DHHS (NIOSH) PUBLICATION NO 90-118)(FP N).

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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:
 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:

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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: 07JUL94
 Label Date: 29MAR94
 MFR Label Number:
 Label Status: G
 Common Name: #410 GRAFFITI REMOVER
 Chronic Hazard: YES
 Signal Word: DANGER!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe: X
 Contact Hazard-None:
 Contact Hazard-Slight:
 Contact Hazard-Moderate:
 Contact Hazard-Severe: X
 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. CORROSIVE. DO NOT STORE ABOVE 120F. ACUTE: CAUSES EYE AND SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. CHRONIC: REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE CAN CAUSE DERMATITIS AND PAINTER'S SYNDROME. TOLUENE APPEARS ON NAVY'S LIST OF OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS (FP N). ANIMAL STUDIES CLEARLY SHOW DOSE RELATED ADVERSE EFFECTS TO CNS, BLOOD FORMING TISSUE, BLOOD, LIVER AND KIDNEYS ASSOCIATED WITH ADMINISTRATION OF 2-BUTOXYETHANOL (FP N).

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: HILLYARD INDUSTRIES INC

Label Street:

Label P.O. Box: 909

Label City: ST JOSEPH

Label State: MO

Label Zip Code: 64502

Label Country: US

Label Emergency Number: 800-255-4564

Report for NIIN: 00N050079

Year Procured: