

3M -- DYNABARK BRAND 3900 PROTECTIVE COATING, AEROS

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MSDS Safety Information

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FSC: 8010
NIIN: 01-368-9334
MSDS Date: 02/19/1993
MSDS Num: CFJBD
Product ID: DYNABARK BRAND 3900 PROTECTIVE COATING, AEROSOL
MFN: 01
Responsible Party
Cage: 0F0U5
Name: 3M
Address: 3M CENTER
City: ST PAUL MN 55144-1000

Info Phone Number: 612-733-1110
Emergency Phone Number: 612-733-1110
Published: Y

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Contractor Summary

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Cage: 76381
Name: MINNESOTA MINING AND MFG CO, DBA 3M
Address: 3M CENTER BLDG 224-5S-04
City: SAINT PAUL MN 55144-1000
Phone: 866-556 5712 / 612-733-1110
Cage: 0F0U5
Name: PACEBROOK LTD
Address: 15 GOSDITCH ST
City: CIRENCESTER GLOS GL7 2AG NK 00000
Country: UK
Phone: NONE

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Item Description Information

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Item Name: VARNISH,OIL

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Ingredients

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Cas: 75-09-2
RTECS #: PA8050000
Name: METHANE, DICHLORO-; (METHYLENE CHLORIDE) (SARA 313) (CERCLA)
% Wt: 30-40
OSHA PEL: 500 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

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Cas: 74-98-6
RTECS #: TX2275000
Name: PROPANE. FL PT:-50F,-46C.
% Wt: 10-20
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIA NT

Cas: 108-94-1
RTECS #: GW1050000
Name: CYCLOHEXANONE (CERCLA)
% Wt: 7-13
OSHA PEL: 50 PPM, S
ACGIH TLV: 25 PPM, S
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 628-63-7
RTECS #: AJ1925000
Name: ACETIC ACID, PENTYL ESTER; (N-AMYL ACETATE) (CERCLA)
% Wt: 7-13
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
EPA Rpt Qty: 5000 LB
S
DOT Rpt Qty: 5000 LBS

Cas: 123-86-4
RTECS #: AF7350000
Name: ACETIC ACID, BUTYL ESTER; (N-BUTYL ACETATE) (CERCLA)
% Wt: 5-10
OSHA PEL: 150 PPM
ACGIH TLV: 150 PPM;200 STEL
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 67-64-1
RTECS #: AL3150000
Name: ACETONE (SARA 313) (CERCLA)
% Wt: 3-7
OSHA PEL: 1000 PPM
ACGIH TLV: 750 PPM;1000 STEL
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 624-41-9
Name: 2-

METHYLBUTYLACETATE

% Wt: 2-5

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 64742-89-8

Name: VM & P NAPHTHA; (SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC)

% Wt: 2-5

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 108-88-3

RTECS #: XS5250000

Name: TOLUENE (SARA 313) (CERCLA)

% Wt: 2-5

OSHA PEL: 200 PPM

ACGIH TLV: 50 PPM, S

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

Cas: 9003-63-8

Name: 2-PROPENOIC

ACID, 2-METHYL, BUTYL ESTER, HOMOPOLYMER; (POLY(BUTYL
METHACRYLATE))

% Wt: 1-4

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 71-36-3

RTECS #: EO1400000

Name: BUTYL ALCOHOL (SARA 313) (CERCLA)

% Wt: 1-4

OSHA PEL: 100 PPM

ACGIH TLV: 50 PPM, S, C

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Cas: 9004-70-0

RTECS #: QW0970000

Name: NITROCELLULOSE

% Wt: 0.5-1

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas:

108-10-1

RTECS #: SA9275000

Name: 2-PENTANONE, 4-METHYL-; (METHYL ISOBUTYL KETONE) (SARA 313) (CERCLA)

% Wt: 0.5-1

OSHA PEL: 100 PPM

ACGIH TLV: 50 PPM;75 STEL

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Cas: 67-63-0

RTECS #: NT8050000

Name: ISOPROPYL ALCOHOL (SARA 313)

% Wt: 0.5-1

OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM;500 STEL

Cas: 123-92-2

RTECS #: NS9800000

Name: ISOPENTYL ALCOHOL, ACETATE; (ISOAMYL ACETATE) (CERCLA)

% Wt: 0.1-1

OSH

A PEL: 100 PPM

ACGIH TLV: 100 PPM

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Cas: 1330-20-7

RTECS #: ZE2100000

Name: XYLENE (SARA 313) (CERCLA)

% Wt: 0.1-1

OSHA PEL: 100 PPM

ACGIH TLV: 100 PPM;150 STEL

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

RTECS #: 9999999VO

Name: VOLATILE ORGANIC COMPOUNDS: 525 G/L.

Name: FIRE FIGHT PROC: SURFS COOL & PVNT EXPLO RUPTURE. FOR LEAKS/SPILLS
WHICH HAVE NOT IGNIT

ED, WATER SPRAY CAN BE

Name: ING 18:USED TO DISPERSE FLAMMABLE VAPOR & PROTECT PERSONNEL ATTEMPTING TO STOP THE LEAK.

Name: EFTS OF OVEREXP:KIDNEY EFTS, LIVER EFTS. CHRONIC:TOLUENE APPEARS ON THE NAVY LIST OF OCCUP CHEM REPRO HAZS. SEEK

Name: ING 20:CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS

Name: ING 21:
INFORMATION (FP N). FOR MORE SPECIFIC INFORMATION CONTACT NEHC (FP N).

Health Hazards Data

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: NO

Effects of Exposure: CHLOROCARBON MATLS HAVE PRDCD SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR EFT IN HUMANS.

ADRENOMIMETICS (E.G., EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY/CHRONICALLY EXPOS TO CHLOROCARBONS (FP N). EYE:MOD IRRIT. SKIN:SEV IRRIT. (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: METHYLENE CHLORIDE:IARC MONO, SUPP, VOL 7, PG 194, 1987:GRP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 1994:ANTIC TO BE (SUPDAT)

Signs And Symptions Of Overexposure: HLTH HAZ:MAY BE ABSORBED. ALLERGIC RXN.

INHAL:INTENTIONAL CONC & INHAL MAY BE HA

RMFUL/FATAL. CNS DEPRESS; UPPER

RESP IRRIT; BLOOD DISORDERS; CARBOXYHEMOGLOBINEMIA; PULM EDEMA; DEATH. HEART EFTS; DEATH . KIDNEY EFTS; LIVER EFTS; CARD SENSIT;SIMPLE ASPHY. INGEST:GI DMG; CNS DEPRESS; ASPIR PNEUM, HEART EFTS;

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES:IMMED FLUSH W/LG AMTS OF WATER FOR AT LST 15 MINS. GET IMMED MED ATTN. SKIN:IMMED FLUSH W/LG AMTS OF WATER. REMOVE CONTAM CLTHG & WASH BEFORE REUSE. IF IRRIT PERSISTS, CALL

MD. INHAL:REMOVE PERS TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GET IMMED MED ATTN. INGEST:CALL MD IMMED. ONLY INDUCE VOMIT AT INSTRUCTION OF MD. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

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Handling and Disposal
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Spill Release Procedures: VENT AREA. EXTING ALL IGNIT SOURCES. CONTAIN SPILL. COLLECT USING NON-SPARKING TOOLS. COVER W/INORG ABSORB MATL. CLEAN UP

RESIDUE. PLACE IN APPRVD METAL CNTNR & SEAL. PLACE LEAKING CNTNRS IN WELL-VENT ED AREA. FOR MORE SPECIFIC INFO CONT NEHC (FP N).

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISP MUST BE I/A/W FED, STATE, LOC REGS(FP N). INCIN IN PERMITTED HAZ WASTE INCIN IN PRESENCE OF COMBUST MATL. DO NOT PUNCTURE/BURN CANS IN HOUSEHOLD INCIN. FACILITY MUST BE CAPABLE OF HNDLG AEROSOL C ANS. DISP OF EMPTY CANS IN SANIT LANDFILL.(SUPDAT)

Handling And Storag

e Precautions: STORE IN COOL PLACE, AWAY FROM HEAT, OUT OF DIRECT SUNLIGHT & AT TEMPS <120F(49C). KEEP CNTNR DRY, IN WELL-VENTED AREA. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICIN OF ARC WELDING, OPEN FLAMES/HOT SURFS. HEAT &/OR UV RADIA MAY CAUSE FORM OF HCL &/OR PHOSGENE (FP N). DO NOT PIERCE/BURN CNTNR, EVEN AFTER USE. VAPS MAY IGNITE EXPLOSIVELY. FLAMM (SUPDAT)

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point Text: -50F,-46C

Lower Limits: 0.9%

Upper Limits: 19%

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: WEAR NIOSH APPRVD PRESS DEMAND SCBA & FULL PROT EQUIP (FP N). WATER MAY NOT EFTIVELY EXTING FIRE; HOWEVER, IT SHOULD BE USED TO KEEP FIRE-EXPOS CNTNRS &

Unusual Fire/Explosion Hazard: THERMAL DECOMP PRODS MAY INCL HCL & PHOSGENE

(FP N). CLSD CNTNRS EXPOS TO HEAT FROM FIRE MAY BUILD PRESS & EXPLODE. VAPS MAY TRAVEL LONG DISTS ALONG (SUPP DATA)

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Control Measures
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Respiratory Protection: SELECT ONE OF FOLLOWING NIOSH APPROVED RESPS BASED ON AIRBORNE CONC OF CONTAMS & I/A/W OSHA REGS: HALF-MASK ORGANIC VAPOR RESP W/DUST OR MIST PREFILTER. IF EXHAUST VENT IS NOT ADEQ, USE APPROP NIO

SH A

PPRVD RESPIRATORY PROTECTION.

Ventilation: USE W/APPROPRIATE LOCAL EXHAUST VENTILATION. PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EMISSIONS BELOW REC EXPOS LIMS.

Protective Gloves: POLYVINYL ALCOHOL GLOVES.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).

Other Protective Equipment: ANSI APPRVD EYE WASH FOUNTAIN & DELUGE SHOWER (FP N). APRON, POLYVINYL ALCOHOL PROT GARMENTS (OTHER THAN GLOVES).

Work Hygienic Practices: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WAS

H EXPOSED AREAS THOROUGHLY W/SOAP & WATER. DO NOT INGEST.

Supplemental Safety and Health: EXPLO HAZ:GROUND/FLOOR TO IGNIT SOURCE & FLASH BACK. EXPLAN OF CARCIN:CARCIN. ANIMAL:LUNG, LIVER, SALIVARY, MAMMARY GLAND (TUMOR). WASTE DISP METH:EPA HAZ WASTE #D001. FOR MORE INFO CONT NEHC (FP N). OTHER PREC:LIQUIFIED GAS. DO NOT HEAT UNDER CONFINEMENT. AVOID EYE/SKIN CONT & INHAL OF VAPS, MISTS/SPRAYS.

Physical/Chemical Properties

B.P. Text: -44F,-42C

Vapor Pres: 171 @ 20C

Vapor Density: 2.9

Spec Gravity: 0.9

Evaporation Rate & Reference: 75 (BUOAC=1)

Solubility in Water: 7.2 G/100 G.

Appearance and Odor: CLEAR AEROSOL; SOLVENT-LIKE ODOR.

Percent Volatiles by Volume: 96.3

Reactivity Data

Stability Indicator: NO

Stability Condition To Avoid: DO NOT STO

RE ABOVE 120F. KEEP AWAY FROM HEAT,

SPARKS, OPEN FLAME & OTHER SOURCES OF IGNITION.

Materials To Avoid: STRONG OXIDIZING AGENTS. KEEP AWAY FROM ALUMINUM & ZINC.

Hazardous Decomposition Products: PHOSGENE (FP N). CARBON MONOXIDE & CARBON DIOXIDE, HYDROGEN CHLORIDE, HYDROCARBONS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 0F0U5

Trans ID NO: 129947

Product ID: DYNABARK BRAND 3900 PROTECTIVE COATING, AEROSOL

MSDS Prepared Date: 02/19/1993

Review Date: 10/14/1997

MFN: 1

Multiple KIT Number: 0

Review IND: Y

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Detail DOT Information

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DOT PSN Code: AGC

DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,

DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)

Hazard Class: 2.1

UN ID Num: UN1950

Label: FLAMMABLE GAS

Special Provision: N82

Non Bulk Pack: NONE

Bulk Pack: NONE

Max Qty Pass: 75 KG

Max Qty Cargo: 150 KG

Vessel Stow Req: A

Water/Ship/Other Req: 40,48,85

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Detail IMO Information

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MO PSN Code: AIY
IMO Proper Shipping Name: AEROSOL DISPENSERS ?
IMO PSN Modifier: ,WITH A CAPACITY OF 1000 CUBIC CM OR LESS
IMDG Page Number: 9022
UN Number: 1950
UN Hazard Class: 9?
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-13

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Detail IATA Information

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IATA PSN Code: ALS
IATA UN ID Num: 1950
IATA Proper Shipping Name: AEROSOLS, FLAMMABLE
IATA PSN Modifier: (EACH NOT
EXCEEDING 1 L CAPACITY)
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: 203
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 203

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Detail AFI Information

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AFI PSN Code: ALR
AFI Symbols: *
AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.
AFI PSN Modifier: (EACH NOT EXCEEDING 1L CAPACITY)
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1950
Special Provis
ions: P4
Back Pack Reference: A6.3

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HAZCOM Label

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Product ID: DYNABARK BRAND 3900 PROTECTIVE COATING, AEROSOL
Cage: 0F0U5
Company Name: PACEBROOK LTD
Street: 15 GOSDITCH ST
City: CIRENCESTER GLOS GL7 2AG NK
Zipcode: 00000
Country: UK
Health Emergency Phone: 612-733-1110
Label Required IND: Y
Date Of Label Review: 07/30/1997
Status Code: C
Label Date: 07/30/1997
Origination Code: G
Chron

ic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Severe
Contact Hazard: Severe
Fire Hazard: Severe
Reactivity Hazard: Slight
Hazard And Precautions: FLAMMABLE. DECOMPOSITION PRODUCTS MAY BE HAZARDOUS.
ACUTE:INHAL OF VAPORS MAY CONTRIBUTE TO OCCURRENCE OF IRREGULAR HEARTBEAT (FP N). EYE:MODERATE IRRIT. SKIN:IRRIT, ALLERGIC REACTION. MAY BE ABSORBED .
INHAL:MISUSE MAY BE HARMFUL/FATAL. CENTRAL NERVOUS SYSTEM
DEPRESSION, BLOOD
DISORDERS, RESPIRATORY FAILURE, DEATH. HEART EFFECTS-HEART ATTACK-DEATH.
KIDNEY AND LIVER EFFECTS. CARDIAC SENSITIZER. ING ESTION:GI DMG, CNS DEPRESS,
ASPIR PNEUM, HEART, KIDNEY & LIVER EFTS. CHRONIC:CANCER HAZ. CONTAIN
METHYLENE CHLORIDE, WHICH IS LISTED AS AN ANIMAL LUNG & LIVER CARCIN (FP N).
TOLUENE APPEARS ON NAVY OC CUP CHEM REPRO HAZS LIST (FP N). SENSITIZER.

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