

DYNAMATION RESEARCH INC -- MIL-C-46168D TYP II, 36231, PC:03GY236, PART

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MSDS Safety Information
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FSC: 8010
NIIN: 01-146-2649
MSDS Date: 09/30/1994
MSDS Num: BWRLV
Product ID: MIL-C-46168D TYP II, 36231, PC:03GY236, PART A
MFN: 01
Kit Part: Y
Responsible Party
Cage: 0AMA0
Name: DYNAMATION RESEARCH INC
Address: 2301
PONTIUS AVE
City: LOS ANGELES CA 90064
Info Phone Number: 310-477-1224
Emergency Phone Number: 310-477-1224
Preparer's Name: NORM GAUL
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 0AMA0
Name: DYNAMATION RESEARCH INC
Address: 2301 PONTIUS AVE
City: LOS ANGELES CA 90064

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Con
tractor Summary
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Cage: 0AMA0
Name: DYNAMATION RESEARCH INC
Address: 2301 PONTIUS AVE
City: LOS ANGELES CA 90064
Phone: 310-477-1224

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Item Description Information
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Item Manager: GSA
Item Name: POLYURETHANE COATING
Specification Number: MIL-C-46168
Type/Grade/Class: TY II
Unit of Issue: KT
UI Container Qty: 0
Type of Container: KIT,

GALLON

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: UNKNOWN

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHAL:RESP TRACT IR

RIT,ACUTE CNS DEPRESSION. SKIN/EYE:SKIN

IRRIT.LIQ/AEROSOLS/VAP IRRIT EYES. SKIN ABSORPTION:PROLONG/REPEAT CONTACT CAN CAUSE MODERATE IRRIT,DRYING,DEFATTING. INGEST:IRRIT & POSSIBLE CORR ACTION IN MOUTH/STOMACH TISSUE/DIGESTIVE TRACT.VOMITING MAY CAUSE ASPIRATION OF SOLVENT RESULTING IN CHEM PNEUITIS.

Explanation Of Carcinogenicity: PER MSD:CARCINOGENICITY:NTP/IARC/

OSHA:NO.CONTAINS CHEM KNOW TO STATE OF CA TO CAUSE CANCER(DIATOMACEOUS EARTH).

Signs And Symptions Of Overexposure: HEA

DACHE,DIZZ,STAGGERING

GAIT,CONFUSION,UNCONSC,COMA.SKIN SWELLING,REDNESS,RASH.EYE

TEARING,REDNESS,SWELLING,STINGING SENSATION.SKIN CRACKS.DIFFICULT

BREATHING,LOSS OF CONSCIOUSNESS.SKIN SENSITIZATION ,ASTHMA,OTHER ALLERGIC RESPONSES MAY DEVELOP.

Medical Cond Aggravated By Exposure: ASTHMA & ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA, DERMATITIS.

First Aid: INHAL:MOVE AWAY FRM EXPO.RESTORE BREAZTH.ASTHMATIC TYP SYMPTOMS DEVELOP IMMED/DELAYED HRS.GET MED ATTN.SKIN:REMOVE

CONTAMIN CLOTH.WASH SKIN

WELL W/SOAP/WATER.EYE:FLUSH W/CLEAN LUKEWARM WATER(LOW PRESS URE)@LEAST 15MINS OPENING EYELIDS.GET MED ATTN.INGEST:DO NOT INDUCE VOMIT.DO NOT GIVE ANYTHING TO UNCONSC PERSON.GET MED ATTN.

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Handling and Disposal
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Spill Release Procedures: EVACUATE ALL NONESSENTIAL PERSONNEL.REMOVE ALL IGN SOURCES(FLAME/SPARK SOURCES/HOT SURFACES).VENTILATE AREA.CONTAIN &a

mp; REMOVE

W/INERT ABSORBENT & NON-SPARKING TOOLS. CONTAINS SARA 313,PROP 65(CA)CHEM.P KG IN CNTNR 1L OR LESS APINT IN LIMIT QTY CLASS 3.

Waste Disposal Methods: WASTE MUST BE DISPOSED OF IAW FED/STAT/LOC ENVIRON CNTRL REGS.EMPTY CNTNRS MUST BE HANDLED W/CARE DUE TO PRODUCT RESIDUE & FLAMM VAP.DO NOT INCINERATE CLSD CNTNRS.EPA HAZ WEASTE NO:D001,F003,F005.HAZ WASTE CHARACTERISTICS:IGNITABILITY/REACTIVITY.

Handling And Storage Precautions: STORE IN BLD DESIGNED TO COMPLY W/OSHA

1910.106 & WEEL VENTI AREA.AVOID STORING NEAR HI TEMP/FIRE/OPN FLAMES/SPARK SOURCES.STORE IN TIGHTLY CLSD CNTNRS

Other Precautions: KEEP CNTNRS TIGHTLY CLSD&UPRIGHT TO PREVENTLEAKAGE.PREVENT PROL VAP/SPRAY MIST BREATH.PRLONGED OVEREXPO MAY CAUSE

ALLERGI RX.AVOID CONTACT W/SKIN/EYES.DON'T TAKE INTERNALLY.READ/UNDERSTAND MFG'S SAF P RECAUTIONS BEF HANDLING.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point Text: 60.0F,15.6C

Lower Limits: 1.00

Upper Limits: 8.00

Extinguishing Media: FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG, WATER SPRAY.

Fire Fighting Procedures: FULL FIRE FIGHTING EQPMT W/SCBA & FULL PROT CLOTH SHOULD BE WORN BY FIREFIGHTERS.WATER MAY BE USED TO COOL CLSD CNTNRS TO PREVENT PRESSURE BUILDUP/AUTOIGN/EXPLO

Unusual Fire/Explosion Hazard: CLSD CNTNR EXPO TO EXTREME HEAT MAY EXPLO.HOT SURFACES A

PPLICATION REQUIRES SPECIAL PRECAUT.DURING EMERGY CONDITION OVEREXPO TO DECOMP PROD HEALTH HAZ,DELAY SYM

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Control Measures
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Respiratory Protection: WEAR RESP RECOMMENDED/APPROVED FOR USE IN ORG VAP ENVIRO(AIR-PURIFYING OR FRESHAIR SUPPLIED).OBSERVE OSHA REGS FOR RESP USE.PROVIDE VENTI TO KEEP EXPO LEVELS BELOW OSHA PEL.NOT AIR SUPP RES REQUIRED I F TLV MAINTAIN/DOCUMENTED BELOW(

SUPPLEM)

Ventilation: EXHAU VENTI SUFFICIENT TO KEEP AIRBORNE SOLVENT VAP/MIST CONC BELOW TLV MUST BE UTILIZED.REMOVE ALL IGNITION SOURCES.

Protective Gloves: COTTON,NEOPRENE,RUBBER,POLYETHYLENE

Eye Protection: SPLASH GUARDS/SIDESHIELDS,CHEM GOGG,FACE

Other Protective Equipment: LONG SLEEVE/LONG LEG CLOTH RECOMMENDED.

Work Hygienic Practices: WASH CONTAMIN CLOTHING THOROUGHLY BEFORE REUSE.WASH HANDS BEF EAT/SMOKE/TOILET.SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health: RESP PROT:O

SHA/ACGIH LIMITS AIR SUPPLIED RESP

NOT REQUIRED.OTHER OSHA/NISOH APPROVED RESP MAY BE USED. PART A OF 2 COMP KIT;SEE PNIND:B FOR PART B.

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Physical/Chemical Properties
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HCC: F2

B.P. Text: 241F,116C

Vapor Density: >AIR

Spec Gravity: 1.38535

Viscosity: SEE APPEA/ODO

Evaporation Rate & Reference: 0.83 X N-BUTYL ACETATE

Solubility in Water: INSOLUBLE

Appearance and Odor: GRAY LIQ

W/SOLVENT ODOR, THIN LIQ TO HEAVY VISCOUS

MATERIAL.

Percent Volatiles by Volume: 61.8

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.

ISOLATE FROM ELECTRICAL EQPMT.

Materials To Avoid: STRONG OXIDIZING AGENTS

Hazardous Decomposition Products: ABY HIGH HEAT/TEMP:CARBON MONOXIDE, CARBON

DIOXIDE, AND OXIDES OF NITROG

EN.

Hazardous Polymerization Indicator: NO

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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: 0AMA0

Trans ID NO: 110934

Product ID: MIL-C-46168D TYP II, 36231, PC:03GY236, PART A

MSDS Prepared Date: 09/30/
1994

Review Date: 04/13/1995

MFN: 1

Net Unit Weight: 11.5 LBS

Multiple KIT Number: 0

Kit Part IND: Y

Review IND: Y

Unit Of Issue: KT

Container QTY: 0

Type Of Container: KIT, GALLON

Additional Data: PER TIR:KIT OF COMP A:1 GALLON & COMP B:1 QT. PER
MSDS:MATL WHEN PKG IN CNTNRS OF 1 LITER OR LESS QU ALIFIES AS PAINT IN
LIMITED QUANT CLASS 3.

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Detail DOT Information

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DOT PSN Code:

LFD

DOT Proper Shipping Name: PAINT

DOT PSN Modifier: INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS,
VARNISH, POLISH, LIQUID FILLER, AND LIQUID LACQUER BASE

Hazard Class: 3

UN ID Num: UN1263

DOT Packaging Group: II

Label: FLAMMABLE LIQUID

Special Provision: B52,T7,T30

Packaging Exception: 150

Non Bulk Pack: 173

Bulk Pack: 242

Max Qty Pass: 5 L

Max Qty Cargo: 60 L

Vessel Stow Req: B

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Detail IMO Information

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IMO PSN Code: LCP
IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
IMO PSN Modifier: (INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS,
VARNISH, POLISH, LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING PAINT
THINNING OR REDUCING COMPOUND) o
IMDG Page Number: 3268
UN Number: 1263
UN Hazard Class: 3.2
IMO Packaging Group: I/II *
Subsidiary Risk Label: -
EMS Number: 3-05
MED First Aid Guide NUM: 310
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Detail IATA Information
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IATA PSN Code: SXI
IATA UN ID Num: 1263
IATA Proper Shipping Name: PAINT
IATA PSN Modifier: (INCLUDING
PAINT,LACQUER,ENAMEL,STAIN,SHELLAC,VARNISH,POLISH,LIQUID FILLER AND LIQUID
LACQUER BASE)
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307
Exceptions: A7,A72
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Detail AFI Information
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AFI PSN Code: SXI
AFI Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
AFI PSN Modifier: (INCLUDING PAINT,LACQUER,ENAMEL,STAIN,SHELLAC
SOLUTIONS,VARNISH,POLISH,LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING
PAINT THINNING OR REDUCING COMPOUNDS)
AFI Hazard Class: 3
AFI UN ID NUM: UN1263
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3
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HAZCOM Label

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Product ID: MIL-C-46168D TYP II, 36231, PC:03GY236, PART A

Cage: 0AMA0

Company Name: DYNAMATION RESEARCH INC

Street: 2301 PONTIUS AVE

City: LOS ANGELES CA

Zipcode: 90064

Health Emergency Phone: 310-477-1224

Label Required IND: Y

Date Of Label Review: 04/13/1995

Status Code: C

Label Date: 04/13/1995

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: INHAL:RESP TRACT IRRIT,ACUTE CNS

DEPRESSION.SKIN/EYE:SKIN IRRIT.LIQ/AEROSOLS/VAP IRRIT EYES.SKIN

ABSORPTION:PROLONG/REPEAT CONTACT CAN CAUSE MODERATE

IRRIT,DRYING,DEFATTING.INGEST:IRRIT,POSSIBLE CORR ACTION IN MOUTH/STOMACH

TISSUE/DI TRACT.VOMIT MAY CAUSE ASPIRATION OF SOLVENT RESULTING IN CHEM

PNEUITIS.TARGET ORGANS:EYE/SKIN/CNS/GI/LUNGS

.1ST AID:INHAL:REMOVE FROM

EXPO.RESTORE BREATH.ASTHMATIC TYP SYMPTOMS DEVELOP IMMED/DELAYED HRS.GET MED

ATTN.SKIN:REMOVE CONTAMIN CLOTH.WASH SKIN WELL W/SOAP/WATER.EYE:FLUSH W/WATER

@LEAST 15MINS OPENING EYELIDS.GET MED ATTN.INGEST:DO NOT INDUCE VOMIT.DO NOT

GIV E ANYTHING TO UNCONSC PERSON.GET MED ATTN.

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