

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-46168D, A/C GRN, TY II P/C 03GN119CAT --
8010-01-141-2420

===== Product Identification =====

Product ID:CAT, MIL-C-46168D, A/C GRN, TY II P/C 03GN119CAT

MSDS Date:01/28/1991

FSC:8010

NIIN:01-141-2420

Kit Part:Y

MSDS Number: BSYMR

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:927

14-6205

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

CAGE:33461

=== Contractor Identification ===

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Phone:949-474-0400

CAGE:33461

===== Composition/Information on Ingredients =====

Ingred Name:ALIPHATIC ISOCYANATE BIURET OF HMDI *

CAS:4035-89-6

Fraction by Wt: 75%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005 PPM TWA

Ingred Name:* (HEXAMETHYL

ENE DIISOCYANATE [HDI] 822-06-0, FREE MONOMER
>0.5% AT TIME OF MFR, AFTER 3-6 MO, MAY RISE TO MAX 1.6%)
RTECS #:9999999ZZ
Other REC Limits:NONE RECOMMENDED

Ingred Name:N-BUTYL ACETATE (SARA III) (VAPOR PRESSURE 13 MM HG @ 68F)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:150 PPM;STEL 200 PPM
ACGIH TLV:150 PPM;STEL 200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA III) (VAPOR PRESSURE 21 MM HG @ 100F)
CAS:1330-20-7
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TECS #:ZE2100000
Fraction by Wt: 10.38%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM;STEL 150 PPM
ACGIH TLV:100 PPM;STEL 150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III) (VAPOR PRESSURE 7.1 MM HG @ 68F)
CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: 2.13%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM;STEL 125 PPM
ACGIH TLV:100 PPM;STEL 125 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL: RESP TRACT IRRIT,NERV SYS
DEPRESS (HEADACHE,DIZZY,STAGGER,CONFUSION,UNCONSCIOUS,COMA). SKIN:
ISOCYANATE REACT W/PROTIEN CAUSING IRRIT (SWELL,RED,RASH). ABSORPT:
IRRIT,DRYING,DEFATTING (CRACKING). EYE: IRRIT (TEAR,RED,SWELL
W/STING).INGEST: IRRIT,CORROSIVE IN GI TRACT. VOMIT MAY CAUSE
ASPIRATION-CHEM PNEUMONITIS
Effects

of Overexposure:ACUTE: VAPOR IRRITATING TO EYES, NOSE, THROAT.
INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING &
UNCONSCIOUSNESS. CHRONIC: AS RESULT OF PREVIOUS REPEATED
OVEREXPSOURE OR SINGLE LARGE DOSE, SOME WI LL DEVELOP ISOCYANATE
SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO LATER ISOCYANATE
EXPOSURE WELL BELOW TLV.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS. ISOCYANATE
SENSITIZATI
ON.

===== First Aid Measures =====

First Aid:INHAL: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE
SYMPTOMS MAY DEVELOP. GET MEDICAL AID. SKIN: REMOVE CONTAMINATED
CLOTHES. WASH AFFECTED AREAS W/SOAP & WATER. WASH CONTAMINATED
CLOTHING BEF ORE REUSE. EYES: FLUSH W/LUKEWARM WATER(LOW PRESSURE)
15 MIN, OCCASIONALLY LIFTING EYELIDS. GET MED AID. INGESTION: DO
NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON.
GET
MED AID.

===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:67.0F,19.4C
Lower Limits:1.00
Upper Limits:7.60
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG,
WATER SPRAY
Fire Fighting Procedures:USE FULL PROTECT CLOTH/FIREFIGHT EQUIP W/SCBA.
WATER MAY BE USED TO COOL CLSD CNTNRS (PREVENT PRESS
BLDUP/AUTOIGNIT/EXPLOS). HDI/IRRIT VAPOR GENERATED BY FIRE.
Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD. KEEP FROM
HEAT/IGNIT
SOURCE. CLSD CNTNR MAY EXPLODE W/HEAT. APPLIC TO HOT SURFACE REQ
SPECIAL PRECAUTION. OVEREXPOSURE TO DECOMP PROD-HLTH HZD.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE
ALL SOURCES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES).
VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND
NON-SPARKING TOOLS.

===== Handling and Storage =====

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Handling and Storage Precautions:STORE IN BLDGS IN COMPLY W/OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES/IGNITION SOURCES. STORE IN CLOSED CONTAINERS IN WELL VENTILATED AREA.
Other Precautions:KEEP CONTAINERS TIGHT & UPRIGHT (PREVENT LEAK). PREVENT PROLONGED VAPOR BREATHING. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT INGEST. DON'T HANDLE TILL MFR SFTY PRECAUTIONS READ/UNDERSTOOD.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:A RESPIRATOR RECOMMENDED FOR ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED). OBEY OSHA REGS FOR RESPIRATOR USE. PROVIDE VENT TO KEEP EXPOSURE LEVELS BELOW PEL. USE VAPOR PARTICULATE R SPRTR (TC23C) WHEN BELOW 10X TLV/PEL.
Ventilation:EXHAUST VENT TO KEEP AIRBORNE CONCENTRATIONS BELOW TLV'S. REMOVE ALL IGNITION SOURCES.
Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE
Eye Protection:SPLASH GUARDS,SI DE/FACE SHIELDS,GOGGLES
Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.
Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING, OR USING WASHROOM. SMOKE IN SMOKING AREAS ONLY.
Supplemental Safety and Health
KEY1=F3.

===== Physical/Chemical Properties =====

HCC:F2
Boiling Pt:B.P. Text:260 TO 288F
Vapor Density:>AIR
Spec Gravity:1.06242
Viscosity:*
Evaporation Rate &
amp; Reference:0.72 X N-BUTYL ACETATE
Solubility in Water:INSOLUBLE
Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR
Percent Volatiles by Volume:30.5

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS AND SURFACE ACTIVE MATERIALS.
Stability Condition to Avoid:CONTACT WITH MOISTURE, MATERIAL WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURES.
Hazardous Decomposition Produ

cts:BY HIGH HEAT/TEMPERATURE: CARBON
MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN &
HDI.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORD W/FED, STATE, & LOCAL
ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED
WITH CARE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. DON'T
INCINERATE CLOSED CONTAINERS. EPA CODE: D001, F003, F005.

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