

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-83286, 17925 UNTINTED P/C 03W040CAT --  
8010-00-181-8282

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

Product ID:CAT, MIL-C-83286, 17925 UNTINTED P/C 03W040CAT

MSDS Date:05/26/1992

FSC:8010

NIIN:00-181-8282

Kit Part:Y

MSDS Number: BTCLG

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-

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: 30%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005 PPM TWA

Ingred Name:HEXAMETHYLENE DIIS

OCYANATE [HDI] FREE MONOMER >0.5% AT TIME  
OF MFR, AFTER 3-6 MO, MAY RISE TO MAX 1.6%.

CAS:822-06-0

RTECS #:MO1740000

Fraction by Wt: 0.5-1.6%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.005 PPM TWA

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:N-BUTYL ACETATE (SARA III) (VAPOR PRESSURE 13 MM HG @ 68F)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 5%

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

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ngred Name:XYLENE (SARA III) (VAPOR PRESSURE 21 MM HG @ 100F)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 4.35%

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: 0.89%

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 Rp

t Qty:1000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (VAPOR PRESSURE 0.7 MM HG @ 68F)  
CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 10%  
Other REC Limits:50 PPM; STEL 100 PPM

Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 70 MM HG @ 68F)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 46.56%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:200 PPM;STEL 300 PPM  
ACGIH TLV:200 PPM;STEL 300 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 623 G/L  
RTECS #:9999999VO  
Other REC L  
imits:NONE RECOMMENDED

===== Hazards Identification =====

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/PROTEIN 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  
OVEREXPOSURE OR SINGLE LARGE DOSE , SOME WILL 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 RES

PIRATORY

DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS. ISOCYANATE SENSITIZATION.

===== 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. ING

ESTION: DO

NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC

Flash Point:23.0F,-5.0C

Lower Limits:1.00

Upper Limits:11.00

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). H

DI/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 A

ND

NON-SPARKING TOOLS.

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

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.

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ON'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 SOURCE

S.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLASH GUARDS,SIDE/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

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

HCC:F2

Boiling Pt:B.P. Text:

175 TO 338F

Vapor Density:>AIR

Spec Gravity:0.91477

Viscosity:\*

Evaporation Rate & Reference:3.36 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:74.9

===== 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 WHI CH

REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

Hazardous Decomposition Products: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 ACCORDANCE WITH FEDERAL, STATE, & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. DON'T INCINERATE

CL OSED CONTAINERS. EPA CODE: D001, F003,  
F005.

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