

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

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

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

MSDS Date:12/10/1991

FSC:8010

NIIN:00-181-8282

Kit Part:Y

MSDS Number: BNPMB

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Count

ry:US

Info Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:NORM GAUL

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 (HDI) (VAPOR PRESSURE 0 MM HG) (CAS  
NO 822-06-0, FREE MONOMER CONTENT LESS THAN 0.5% BASED ON \*

CAS:28182-81-2

RTECS #

:HQ9170000  
Fraction by Wt: 30%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:0.005 PPM

Ingred Name:\* RESIN SOLIDS AT THE TIME OF MFR. AFTER 3-6 MO STORAGE,  
FREE MONOMER CONTENT MAY RISE (MAX 1.6%). ACGIH HAS A TLV OF \*  
RTECS #:9999999ZZ  
Other REC Limits:NONE SPECIFIED

Ingred Name:\*\* 0.005 PPM. MOBAY RECOMMENDS A CEILING LEVEL OF 0.02 PPM)  
RTECS #:9999999ZZ  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:0.02 PPM

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 13 MM HG @ 68 F)  
CAS:123-86-4  
RTECS #:AF735  
0000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:150 PPM/200 PPM STEL  
ACGIH TLV:150 PPM/200 PPM STEL  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA III) (VAPOR PRESSURE 21 MM HG @ 100 F)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 4.35%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 PPM STEL  
ACGIH TLV:100 PPM/150 PPM STEL  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III) (VAPOR PRESSURE 7.1 MM HG @ 68 F)  
CAS:100-41-4  
R  
TECS #:DA0700000  
Fraction by Wt: 0.89%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/125 PPM STEL  
ACGIH TLV:100 PPM/125 PPM STEL  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (SARA 313) (VAPOR PRESSURE .7 MM  
HG @ 68 F)  
CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 10%  
Other REC Limits:50 PPM/100 PPM STEL

Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 70 MM HG @  
68 F)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 46.56%

ONE SPECIFIED  
OSHA PEL:200 PPM/300 PPM STEL  
ACGIH TLV:200 PPM/300 PPM STEL  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 625 G/L  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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===== 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, ACUTE NERV  
SYS DEPRESS. SKIN: ISOCYANATES REACT W/SKIN PROTEIN &  
MOISTR,

IRRIT. ABSORPT: MOD IRRIT, DRYING, DEFATTING. EYE: IRRIT. INGEST:  
IRRIT, CORROSIVE ACTION (MOUTH, STOM ACH, DIGEST TRACT). VOMITING  
MAY CAUSE ASPIRATION, RESULTING IN CHEM PNEUMONITIS. ACUTE: EYE,  
NOSE, TROAT IRRIT.

Effects of Overexposure:INHAL: HEADACHE, DIZZINESS, STAGGERING,  
CONFUSION, UNCONSCIOUSNESS, COMA. SKIN: SWELLING, REDNESS, RASH,  
SKIN CRACKING. EYE: TEARING, REDNESS, SWELLING W/STINGING. ACUTE:  
HEADACHES, DIFFICULT BREATHIN G, LOSS OF CONSCIOUSNES

S.  
Medical Cond Aggravated by Exposure:ASTHMA & OTHER RESP DISORDERS. SKIN  
ALLERGIES, ECZEMA, & DERMATITIS. ISOCYANATE SENSITIZATION.  
CHRONIC: REPEATED EXPOS/LRG DOSE: ISOCYANATE SENSITIZATION (LATER  
REACTION TO MUCH LESSER LEVEL.

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

First Aid:INHAL: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC  
SYMPTOMS MAY DEVELOP (IMMEDIATELY/DELAYED). GET MED AID. SKIN:  
REMOVE CONTAM CLOTHING. WASH CONTAM AREAS W/SOAP  
& WATER. WASH  
CONTAM CLOTHING BEF ORE REUSE. EYES: FLUSH W/LUKEWARM WATER(LOW  
PRESSURE) 15 MIN, OCCASIONALLY LIFTING EYELIDS. GET MED AID.  
INGEST: DO NOT INDUCE VOMITING. NOTHING BY MOUTH TO UNCONSCIOUS  
PERSON. GET MED AID.

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===== 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.  
Fire Fighting Procedures:WEAR FULL

FIRE FIGHT EQUIP W/SCBA, FULL  
PROTECT CLOTH. USE WTR TO COOL CLSD CNTNR (PREVENT PRESS  
BLDUP/AUTOIGNIT/ EXPLOS). HDI/IRRIT VAPOR GENERATED BY COMBUST.  
Unusual Fire/Explosion Hazard:KEEP CNTNRS CLSD. ISOLATE FROM HEAT/IGNIT  
SOURCE. CLOSED CNTNR MAY EXPLODE W/HEAT. APPLIC TO HOT SRFCS  
REQUIRES SPCL PRECAUTION. DECOMP PROD OVEREXPOS-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 =====

Handling and Storage Precautions:STORE IN BLDGS IN COMPLY W/OSHA  
1910.106. AVOID STORING NEAR HIGH TEMPS/IGNIT SOURCES. STORE IN  
CLOSED CNTNRS, IN VENTED AREAS. SMOKE IN SMOKING AREAS  
Other Precautions:KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE.  
DON'T INGEST  
/BREATH. AVOID CONTACT W/SKIN & EYES. DO NOT HANDLE  
UNTIL MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ/UNDERSTOOD.  
WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM.

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

Respiratory Protection:USE RSPRTR FOR ORGANIC VAPOR ENVIRNMNT (AIR  
PURIFY/AIR SUPPLIED). SEE OSHA REGULATIONS FOR RSPRTR USE. PROVIDE  
VENTILATION TO KEEP CONC BELOW TLV/PEL. IF TLV LIMITS MAINTAINED  
BELOW OSHA/ACGIH LIMITS, OTHER OSHA/N  
IOSH RSPRTRS MAY BE USED.  
Ventilation:EXHAUST VENT SUFF TO KEEP AIRBORNE CONC OF SOLVENT VAPOR  
BELOW TLV'S MUST BE UTILIZED. REMOVE ALL IGNITION SOURCES.  
Protective Gloves:COTTON, NEOPRENE, RUBBER POLYETHYLENE  
Eye Protection:SPLASH GUARD,SIDE/FACE SHLD,CHEM GOGGLES  
Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING  
IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health

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

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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 WHICH REACT WITH ISOCYANATES & HIGH TEMPERATURES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN & HDI.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. D

DO NOT INCINERATE CLOSED CONTAINERS. EPA WASTE #: D001, F003, F005.

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