

DEFT INC CHEMICAL COATING DIV -- MIL-C-83286, 17925 (UNTINTED) P/C 03W040 --
8010-00-181-8282

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

Product ID:MIL-C-83286, 17925 (UNTINTED) P/C 03W040

MSDS Date:06/06/1991

FSC:8010

NIIN:00-181-8282

Kit Part:Y

MSDS Number: BLMZL

=== 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

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 (VAPOR PRESSURE: 0 MM HG)*

CAS:28182-81-2

Fraction by Wt: 30%

Other REC Limits:NONE SPECIFIED

Ingred Name:*HEXAMETHYLENE DII

SOCYANATE (HDI) (CAS 822-06-0) FREE

MONOMER CONTENT LESS THAN 0.7% BASED ON RESIN SOLIDS AT TIME OF**

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:**MANUFACTURE. AFTER 3-6 MO STORAGE, THE FREE MONOMER
CONTENT MAY RISE (MAX-1.6%). ACGIH HAS PROPOSED A TLV OF 0.005 ***

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:***PPM TWA IN THE NOTICE OF INTENDED CHANGES FOR 1987-88.
MOBAY RECOMMENDS A CEILING LEVEL OF 0.02 PPM.

RTECS #:9999999ZZ

Other REC Limits:

NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE (SARA III)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM/200 STEL

ACGIH TLV:150 PPM/200STEL;9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL 3-ETHOXYPRO

PIONATE (SARA 313) (VAPOR PRESSURE: .7 MM
HG)

CAS:763-69-9

RTECS #:UF3325000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 45%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

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

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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:ACUTE: VAPORS IRRITATING TO EYES/NOSE/
THROAT. INHALATION: IRRITATION, ACUTE NERVOUS SYSTEM DEPRESSION.
CHRONIC: PROLONGED CONTACT WILL CAUSE DEFATTING ACTION. INGESTION:
IRRITATION. ASPIRATION CAN CAUSE CHEMICAL PNEUMONITIS. AS A RESULT
OF PREVIOUS REPEATED OVEREXPOSURE OR SINGLE LARGE DOSE, CERTAIN
INDIVIDUAL

S WILL

Effects of Overexposure:INHAL: DIFFICULT BREATHING, HEADACHE,
DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, COMA. SKIN:
IRRIT (SWELLING/REDNESS/RASH). EYES: REDNESS, TEARING, SWELLING
W/STINGING. SKIN: SWELL/REDNESS/RASH. PROLONG/REPEAT--MOD IRRIT,
DRYING, SKIN CRACKING. INGEST: VOMIT. IRRIT. CORROSIVE TO
MOUTH/STOMACH/DIGEST TRACT.

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

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

First Aid:INHALATION: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC
TYPE SYMPTOMS MAY DEVELOP (IMMED/DELAYED BY SEVERAL HRS). GET MED
AID. SKIN: REMOVE CONTAM CLOTHING. WASH AREA W/SOAP & WATER. WASH
CONTAM CLOTHING BEFORE REUSE. EYES: FLUSH WITH LUKEWARM WATER (LOW
PRESSURE)--15 MIN, LIFTING UPPER/LOWER LIDS. GET MED AID.
INGESTION: DON'T INDUCE VOMIT. NOTHING BY MOUTH TO UNCONSCIOUS
PERSON. GET MED A

ID.

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

Flash Point Method:TCC

Flash Point:24.0F,-4.4C

Lower Limits:1%

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA & FULL PROTECT
CLOTH. USE WATER TO COOL CLOSED CNTNRS/PREVENT PRESSURE
BUILD-UP/AUTO IGNITE/EXPLOSION. HDI/IRRIT VAPORS GENERATED.

Unusual Fire/Explosion Hazard:KEEP FROM IGNITE SOURCES. CLOSED CNTNR
MAY EXPLODE W/HEAT. USE SP

ECIAL PRECAUTION W/APPLIC TO HOT SRFCs.
DURING EMERG COND, OVEREXPOS TO DECOMP PROD/HEALTH 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:STO
RE IN BLDG IN COMPLIANCE W/OSHA

1910.106. AVOID HIGH TEMP, IGNITION SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENT AREAS.

Other Precautions:KEEP CNTNRS TIGHT/UPRIGHT (PREVENT LEAKAGE). NO PROLONGED BREATHING OF VAPORS/SPRAY MISTS. AVOID CONTACT W/SKIN/EYES. DO NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE SAFETY PRECAUTIONS HAVE BEEN READ/ UNDERSTOOD. SMOKE ONLY IN SMOKING AREAS.

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

Respira

tory Protection:USE ORGANIC VAPOR RESPIRATOR (AIR PURIFYING/FRESH AIR). OBSERVE OSHA REGS--RESPIRATOR USE. PROVIDE VENT TO KEEP EXPOSURE LEVELS UNDER OSHA LIMITS. VAPOR PARTIC RSPRTR (TC23C--NIOSH/MSHA) IF VAPOR LEVE LS BELOW 10 X EXPOSURE LIMITS.

Ventilation:EXHAUST VENT SUFFICIENT TO KEEP AIRBORNE CONC (SOLVENT/ POLYISOCYANATES/HDI) BELOW TLV'S. REMOVE ALL IGNITION SOURCES.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLASH GUARDS/SIDE SHIELDS/CHEM G
OGGLES

Other Protective Equipment:FACE SHIELDS. THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED.

Work Hygienic Practices:REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM.

Supplemental Safety and Health

DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYANATES LEVELS WELL BELOW THE TLV VALUE OF ISOCYANATES.

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

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HCC:F2

Boiling Pt:B.P. Text:175 TO 338F

Vapor Density:> AIR

Spec Gravity:0.91

Viscosity:*

Evaporation Rate & Reference:3.7 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:CONTAC

T WITH MOISTURE, MATERIALS WHICH

REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON

MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN AND HDI.

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

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

ON'T

INCINERATE CLOSED CNTNRS. EPA HAZARDOUS WASTE #: D001, F003, F005.

Disclaimer (provided with this information by the compiling agencies):

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