

DEFT INC -- CAT, MIL-C-83286, 34102 G/S, PC03GN082CAT -- 8010-01-104-6536

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Product Identification  
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Product ID:CAT, MIL-C-83286, 34102 G/S, PC03GN082CAT

MSDS Date:07/06/1988

FSC:8010

NIIN:01-104-6536

Kit Part:Y

MSDS Number: BNCJP

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergency

Phone Num:800-424-9300(CHEMTREC)

CAGE:33458

=== Contractor Identification ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:800 424-9300

CAGE:33458

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Phone:949-474-0400

CAGE:33461

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Composition/Information on Ingredients  
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Ingred Name:ALIPHATIC ISOCYANATE (HEXAMETHYLENE DIISOCYANATE (HDI) CAS  
NO. 822-06-0, FREE MO

NOMER CONTENT LESS THAN 0.7% BASED ON\*\*

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by Wt: 30%

Other REC Limits:NONE SPECIFIED

Ingred Name:\*\*ON RESIN SOLIDS AT THE TIME OF MFR. HOWEVER, AFTER 3-6 MONTHS STORAGE, THE FREE MONOMER CONTENT MAY RISE TO A MAXIMUM\*

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:\*OF 1.6%. THE ACGIH HAS PROPOSED A TLV OF 0.005PPM TWA IN THE NOTICE OF INTENDED CHANGES FOR 1987-88. MOBAY RECOMMENDS\*\*

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:\*\*A CEILING LEVEL OF 0.02PPM.

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE (SARA III) (VAPOR PRESSURE 8.4 MM HG)

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/200 STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA III) (VAPOR PRESSURE 21 MM HG)

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/150 STEL

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL-3-ETHOXYPROPIONATE (VAPOR PRESSURE .7 MM HG)

CAS:763-69-9

RTECS #:UF3325000

Fraction by Wt: 5%

Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ISOBUTYL KETONE (SARA III) (VAPOR PRESSURE 15

MM  
HG)  
CAS:108-10-1  
RTECS #:SA9275000  
Fraction by Wt: 10%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/75 STEL  
ACGIH TLV:50 PPM/75 STEL; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 70.2 MM HG)  
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/300 STEL  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:NO  
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 EYE/NOSE &  
THROAT. INHALATION MAY CAUSE HEADACHES/DIFFICULT BREATHING & LOSS  
OF CONSCIOUSNESS. CHRONIC: REPEATED OVEREXPOSURE TO CERTAIN  
INDIVIDUALS MAY DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE  
THEM TO REACT TO A LATER EXPOS OF ISOCYANATE LEVELS WELL BELOW THE  
TLV VA

LUE ISOCYANATES.  
Effects of Overexposure:INHAL: IRRIT OF RESP TRACT/ACUTE NERV SYS  
W/HEADACHE/DIZZINESS/STAGGERING GAIT/CONFUSION/UNCONSCIOUS/COMA.  
SKIN: MOD IRRIT W/SWELLING/REDNESS/RASH/DRYING/DEFATTING. EYE:  
IRRIT W/TEARING/REDNESS/SWELLIN G W/STINGING SENSATION. INGEST:  
IRRIT/POSS CORROSIVE ACTION IN MOUTH/STOMACH TISSUE/DIGEST TRACT.  
ASPIR FROM VOMITING (\*)

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

ITIS. ISOCYANATE  
SENSITIZATION.  
\*RESULTING IN CHEMICAL PNEUMONITIS.)

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

First Aid:INHAL: MOVE FROM EXPOSED AREA. RESTORE BREATH. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP IMMEDIATE OR DELAYED BY SEVERAL HRS. GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. WASH CLOTHES BEFORE RE-USE. EYE: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR 15 MINS, OCCASIONALLY LIFTING EYELIDS. GET MED AID. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC  
Flash Point:24 F  
Lower Limits:1  
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.  
Fire Fighting Procedures:FULL EQUIP WITH SCBA & FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION, EXPLOSION.  
Unusual Fire/Explosion Hazard:KEEP CONTAINERS CLOSED TIGHT. ISOLATE FROM HEAT/SPARKS/ELECTRIC EQUIP/OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES\*

===== 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 BLDG TO COMPLY WITH OSHA 1910.106. AVOID HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS.  
Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE. DO NOT BREATHE VAPOR/MISTS. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT TAKE INTERNALLY. READ/UNDERSTAND MFR SAFETY PRECAUTIONS BEFORE HANDLING.

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

Respiratory Protection:RESP RECOMMEND/APPROV FOR ORGANIC VAPOR ENVIRON (AIR PURIFYING/FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REG FOR RESP USE. VENT SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE LIMITS. FULL FACE RESP (TC23C NIOSH\*\*

Ventilation:EXHAUST VENTILATION SUFF TO KEEP AIRBORNE CONC OF SOLVENT/HDI/POLYISOCYANATES BELOW RESPECTIVE TLV'S MUST BE UTILIZED.\*

Protective Glo

ves:COTTON, REOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLSH GUARD/FACE-SIDE SHIELD/CHEM GOGGLE

Other Protective Equipment:LONG SLEEVE/LEG CLOTHING RECOMMENDED. RMV & WASH CONTAM CLOTHING.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING, OR USING WASHROOM. SMOKE ONLY IN SMOKING AREA ONLY.

Supplemental Safety and Health

\*\*/MSHA) MAY BE APPROPRIATE WHERE AIR MONITORING DEMONSTRATES LEVELS BELOW TEN TIMES THE APPLICABLE EXPOSURE LIMITS. \*CONDITIONS OF ADDITIVE TOXIC E

FFECTS SHOULD BE CONSIDERED, SEE ACGIH (THRESHOLD LIMIT VALUES FOR MIXTURES). REMOVE ALL IGNITION SOURCES (HEAT, SPARKS, FLAME AND HOT SURFACES).

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

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

Vapor Density:> THAN AIR

Spec Gravity:0.90

Viscosity:\*\*

Evaporation Rate & Reference:3.54 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume:76.9

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

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

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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/FEDERAL/STATE & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLSD CNTNRS. EPA HAZARDOUS WASTE NUMBER/CODE: D001, F003, F005.

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