

DEFT, INC -- CAT, MIL-C-46168D, 35044, TY II P/C 03BL126CAT -- 8010-01-146-2648

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

Product ID:CAT, MIL-C-46168D, 35044, TY II P/C 03BL126CAT

MSDS Date:07/06/1988

FSC:8010

NIIN:01-146-2648

Kit Part:Y

MSDS Number: BTCNP

=== Responsible Party ===

Company Name:DEFT, INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Em

ergency Phone Num:800-424-9300 CHEMTREC

CAGE:5M511

=== 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

Company Name:DEFT, INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:714-474-0400

CAGE:5M511

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

Ingred Name:ALIPHATIC ISOCYANATE BIURET OF HMDI \*

CAS:4035-89-6

Fraction by Wt: 75%

Othe

r REC Limits:NONE RECOMMENDED  
ACGIH TLV:0.005 PPM TWA

Ingred Name:\*(HEXAMETHYLENE 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  
RTECS #: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  
DO  
T Rpt Qty:1000 LBS

===== 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: IRRI

T,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 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 RESPIRA  
TORY  
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. INGESTI  
ON: 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/IR  
RIT 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 =====

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,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 =====

Boiling Pt:B.P. Text:260 TO 288F  
Vapor Density:>AIR  
Spec Gravity:1.06242  
Viscosity:.\*  
Evaporation Rate & 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 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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