

DEFT, INC -- CAT, MIL-C-85285B, 37038, PC 03BK047CAT -- 8010-01-285-3554

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Product Identification
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Product ID:CAT, MIL-C-85285B, 37038, PC 03BK047CAT

MSDS Date:02/10/1992

FSC:8010

NIIN:01-285-3554

Kit Part:Y

MSDS Number: BQGVD

=== 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 Ph

one Num:800-424-9300(CHEMTREC)

Preparer's Name:NORM GAUL

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

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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 MONOMER < 0.5%
CAS:28182-81-2
RTECS #:NQ9170000
Fraction by Wt: 35%
Other REC Limits:MOBAY-0.02 CEIL PPM
ACGIH TLV:0.005 PPM TWA

Ingred Name:ALIPHATIC ISOCYANATE (HEXAMETHYLENE DIISOCYANATE [HDI]) CAS
NO 822-06-0, FREE MONOMER < 0.5%
CAS:28182-81-2
RTECS #:NQ9170000
Fraction by Wt: 40%
Other REC Limits:MOBAY-0.02 CEIL PPM
ACGIH TLV:0.005 PPM TWA

Ingred Name:C8&10 AROMATIC HYDROCARBON (VP: 3 MMGH @ 68F)
CAS:64742-95-6
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIE
D
OSHA PEL:100 PPM

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 13 MM HG @ 68F)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
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:ETHYL-3-ETHOXYPROPIONATE (VAPOR PRESSURE .7 MM HG @ 68F)
CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 20%
Other REC Limits:TWA 50 PPM/STEL 100

Ingred Name:VOC: 282 (GRAMS/LITER)
RTECS #:9999999VO
Other REC Limits:NON

E SPECIFIED

===== 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:ACUTE: VAPORS-IRRIT TO
EYES-NOSE-THROAT. INHAL MAY CAUSE HEADACHES-DIFFICULT BREATH-LOSS
OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF PREVIOUS REPEAT
OVEREXPOS/SINGLE LG DOSE, SOME INDIVIDUALS WILL DEVEL OP ISOCYANATE
SENSITIZATION CAUSING A REACTION TO LATER EX
POS OF ISOCYANATE
LEVELS WELL BELOW TLV VALUE OF ISOCYANATES
Effects of Overexposure:INHAL: IRRIT-RESP TRACT/ACUTE NERV SYS DEPRESS
W/HEADACHE/DIZZI/STAG GAIT/CONFUSION/UNCONSCIOUS/COMA. SKIN: IRRIT
W/SWELL-RED-RASH. ABSORP: IRRIT/DRYING/DEFAT. EYE:
LIQ/AREOSOLS/VAPORS-IRRIT W/TEAR/RE D/SWELL W/STING SENSATION.
INGEST: IRRIT. CORROSIVE IN MOUTH/STOMACH TISSUE/DIGEST TRACT.
VOMIT ASPIR-CHEM PNEUMONITIS
Medical Cond Aggravated by Exposure:ASHTMA AND ANY OTHER RESPIRATORY
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 AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL
HOURS. GET MED ATTN. SKIN: REMOVE CONTAMINATED CLOTHING AND
THOROUGHLY WASH B EFORE REUSE. WASH WITH SOAP AND WATER. EYE: FLUSH
WITH WATER (LOW PRESS) 15 MINS, LIFTING LIDS. GET MED ATTN. INGEST:

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

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

Flash Point Method:TCC
Flash Point:76.0F,24.4C
Lower Limits:1.00%
Upper Limits:7.60%
Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL,
WATER FOG
Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA-FULL PROTECT
CLOTHING. COOL CLSD CNTNRS W/WTR-PREVENT PRESS BLD-UP/AUTO
IGNIT/EXPLOS. HDI VAPOR GENERATED W/C

OMBUSTN-THERMAL DECOMP

Unusual Fire/Explosion Hazard:KEEP CNTRS CLSD TIGHT. ISOLATE FROM HEAT/SPARKS/ELECT EQUIP/OPEN FLAME. EXPLODE W/EXTREME HEAT. SPEC PRECAUTN W/APPLIC TO HOT SURFACES. HEALTH HAZ/SYMP DELAYED

===== 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-S PARKING TOOLS.

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

Handling and Storage Precautions:STORE IN BLDG DESIGNED TO COMPLY W/OSHA 1910.106. AVOID STORAGE BY HIGH TEMP/FIRE/OPEN FLAME/SPARK SRC. STORE IN TIGHT CLSD CNTNRS AND WELL VENT AREAS

Other Precautions:KEEP CONTAINER TIGHT/UPRIGHT-PREVENT LEAK. PREVENT PROLONGED BREATHING OF VAPORS/SPRAY MIST. PROLONGED OVEREXPOSE-POSS ALLERGIC REACT. AVOID CONTACT W/SKIN-EYES. DONT INGEST. DONT HANDLE UNTIL MFR SFT Y PRECAUTIONS HAVE BEEN READ/UNDERSTOOD.

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

Respiratory Protection:USE ORGANIC VAPOR ENVIRON RESP (AIR PURIFY/FRESH AIR SUPPLD). SEE OSHA REG-RESP USE. VENT TO KEEP EXPOS LEVELS BELOW PEL. AIR SUPPLD RESP RECOMM. VAPOR PARTIC RESP (TC23C NIOSH/MSHA) APPROP W/VAPOR LE VELS BELOW TEN TIMES APPLIC EXPOS LIMITS

Ventilation:EXHST VENT SUFFIC TO KEEP AIRBORNE CONC BELOW TLV'S MUST BE UTILIZED. RMV ALL IGNIT SRCS

-HEAT/SPARKS/FLAME/HOT SURFACES

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

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

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:F3

Boiling Pt:B.P. Text:260-338F

Vapor Density:> THAN AIR

Spec Gravity:0.94838

Evaporation Rate & Reference:0.15 X N BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:26.5

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CONTACT WITH MOISTURE, MATERIAL WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

Stability Condition to Avoid:WATER, AMINES, STRONG BASES, ALCOHOLS,

METAL COMPOUNDS AND SURFACE ACTIVE 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:DISPOSE IN ACCORDANCE WITH FEDERAL-STATE-LOCAL ENVIRONMENTAL CONTROL REGULATIONS. HANDLE EMPTY CONTAINERS WITH CARE, DUE TO PRODUCT RESIDUE/FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. EPA HAZARDOUS WASTE NUMBER/CODE: D001-F003-F005.

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