

DEFT INC -- CAT, MIL-C-85285B, 16440, TYPE I, 03GY274CA -- 8010-01-265-9142

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

Product ID:CAT, MIL-C-85285B, 16440, TYPE I, 03GY274CA

MSDS Date:07/31/1991

FSC:8010

NIIN:01-265-9142

Kit Part:Y

MSDS Number: BLZBX

=== 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

Emerge

ncy Phone Num:800-424-9300 CHEMTREC

Preparer's Name:NORM GAUL

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

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fract

ion by Wt: 15%
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:ALIPHATIC ISOCYANATE (VAPOR PRESSURE 0 MM HG) HEXAMETHYLENE
DIISOCYANATE (HDI) CAS NO: 822-06-0, FREE MONOMER CONTENT *
CAS:28182-81-2
Fraction by Wt: 45%
Other REC Limits:TLV OF 1 MG/M3 MOBAY

Ingred Name:*LESS THAN 0.7% BASED ON RESIN SOLIDS AT TIME OF
MANUFACTURE. AFTER 3-6 MONTHS STORAGE, THE FREE MONOMER CONTENT MAY
**

RTECS #:999
9999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:**RISE TO A MAXIMUM OF 1.6%. THE ACGIH HAS PROPOSED A TLV
OF 0.005 PPM TWA IN THE NOTICE OF INTENDED CHANGES FOR ***
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:***1987-88. MOBAY RECOMMENDS A CEILING LEVEL OF 0.02 PPM.
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ISOBUTYL KETONE (VAPOR PRESSURE 15 MM HG)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 45%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10
0 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 521 G/L
RTECS #:9999999VO
Other REC Limits:NONE 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: IRRITATE; EYES/NOSE/THROAT.
INHALE: HEADACHE/DIFFICULT BREATHING/UNCONSCIOUS. CHRONIC: AS A
RESULT OF REPEATE

D OVEREXPOSURE/SINGLE LARGE DOSE: CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYANATE LEVELS WELL BELOW THE TLV VALUE OF ISOCYANATE.

Effects of Overexposure: INHALE: IRRITATE: RESPIRATORY TRACT/ACUTE NERVOUS SYSTEM DEPRESSION, PROGRESSIVE STEPS: HEADACHE/DIZZY/STAGGER/CONFUSION/UNCONSCIOUS/COMA. SKIN CONTACT: IRRITATE/SWELL/RED/RASH. EYE: LIQUID/AEROSOLS/VAPORS: IRRITATE/TEAR/RED/SWELL/STING. SKIN

ABSORPTION:

IRRITATE/DRY/DEFAT/CRACK. INGESTION: IRRITATE/CORROSIVE ACTION**

Medical Cond Aggravated by Exposure: ASTHMA/OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES/ECZEMA/DERMATITIS. ISOCYANATE SENSITIZATION.

**MOUTH/STOMACH TISSUE/DIGESTIVE TRACT. VOMITING: ASPIRATION: CHEMICAL PNEUMONITIS.

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

First Aid: INHALATION: MOVE TO RISK FREE AREA. RESTORE BREATHING.

ASTHMATIC TYPE SYMPTOMS MAY DEVELOP MAY BE IMMEDIATE/DELAYED

E/DELAYED

SEVERAL HOURS. GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING.

WASH AFFECTED AREAS W/SOAP/WATER. EYES: FLUSH W/LUKEWARM WATER

(LOW PRESSURE) 15 MIN LIFT LIDS OCCAS. 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: 45.0F, 7.2C

Lower Limits: 1

Extinguishing Media: FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures: FULL EQUIP/SCBA/FULL GEAR--FIRE FIGHTERS. WATER-COOL CLSD CNTNRS--PREVENT PRES BUILD-UP/AUTO IGNITE/EXPLOS. HDI IRRITATE VAPORS GENERATED BY COMBUST/THERMAL DECOM

Unusual Fire/Explosion Hazard: CNTNRS CLSD. NO HEAT/SPARKS/ELECTRICAL EQUIP/OPEN FLAME. CLSD CNTNRS EXPLODE-EXTREME HEAT. APPLIC TO HOT SURFS-SPEC PRECAU. OVEREXPOSURE-DECOMP PROD-HEALTH HAZARD.

===== Accidental Release Measures =====

Spill Release Procedure

es:NO NON-ESSENTIAL PERSONNEL. NO 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:USE BUILDINGS THAT COMPLY W/OSHA
1910.106. STORE IN WELL VENTILATED AREA AWAY FROM HEAT, SPARKS AND
FLAME.

Other Precautions:CONTAINERS TIGHT/UPRIGHT TO PREVENT LEAKAGE. NO
PROLONGED BREATHING OF VAPORS/SPRAY
MISTS. PROLONGED OVEREXPOSURE
MAY CAUSE ALLERGIC REACTION. NO CONTACT SKIN/EYES. NO INGESTION.
READ/UNDERSTAND MFR'S SAFETY PRECAUTIONS.

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

Respiratory Protection:ORGANIC VAPOR ENVIRONMENT RESPIRATOR (AIR
PURIFYING/FRESH AIR SUPPLIED). VENT TO KEEP EXPOSURE LEVELS BELOW
OSHA LIMITS. TC23C NIOSH/MSHA RESPIRATOR WHERE MONITORING SHOWS
VAPOR LEVELS BELOW TEN TIMES LIMITS.

Ventilation:SUFFICIENT TO KEEP AIRBORN
E CONCENTRATIONS OF

HDI/POLYISOCYANATES BELOW TLV'S. NO HEAT SOURCES.

Protective Gloves:COTTON/NEOPRENE/RUBBER/POLYETHYLENE

Eye Protection:SPLASH GUARDS/SIDE SHIELDS/CHEM GOGGLES

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

Work Hygienic Practices:WASH HANDS BEFORE EATING/SMOKING/USING
WASHROOM. SMOKE IN SMOKING AREAS ONLY. WASH CONTAMINATED CLOTHING
BEFORE REUSE.

Supplemental Safety and Health

THIS PRODUCT MAY CONTAIN TOXIC CHEMICALS

SUBJECT TO THE REPORTING

REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENT
AND REAUTHORIZATION ACT OF 1986 & 40 CFR PART 372.

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

HCC:F5

Boiling Pt:B.P. Text:231TO237F

Vapor Density:>AIR

Spec Gravity:0.95

Viscosity:*

Evaporation Rate & Reference:1.39(X N-BUTYL ACETATE)

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:65.8

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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 TEMPERATURE.

Hazardous Decomposition Products: BY HIGH HEAT/TEMPERATURE: CO/CO2/OXIDES OF NITROGEN, TRACES OF HCN AND HDI. * SYMPTOMS NOT IMMEDIATELY APPARENT.

===== Disposal Considerations
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Waste Disposal Methods: IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EMPTY CONTAINERS HANDLE W/CARE DUE TO PRODUCT RESIDUE/FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. EPA HAZARDOUS WASTE NUMBER/CODE: D0 01, F003, F005.

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