

DEFT, INC -- CAT, MIL-C-85285B, 11136, P/C 03R064CAT -- 8010-01-265-9154

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Product Identification
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Product ID:CAT, MIL-C-85285B, 11136, P/C 03R064CAT

MSDS Date:08/20/1993

FSC:8010

NIIN:01-265-9154

Kit Part:Y

MSDS Number: BSSCP

=== 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

Emergency Phone

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:TOLUENE (SARA III) (VAPOR PRESSURE 22 MM HG @ 68F)

CAS:108-88-3

RTECS #:XS5250000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
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:ALIPHATIC ISOCYANATE (HEXAMETHYLENE DIISOCYANATE [HDI]
822-06-0; FREE MONOMER >0.5% RESIN SOLID, AFTER 3-6 MO, MAX 1.6%)
CAS:28182-81-2
Fraction by Wt: 45%
Other REC Limits:MOBAY: CEIL 0.02 PPM
ACGIH TLV:TWA 0.005 PPM

Ingred Name:METHYL ISOBUTYL KETONE (SARA III) (VAPOR PRESSURE 15 MM HG
@ 68F)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:50 PPM;STEL 75 PPM
ACGIH TLV:50 PPM;STEL 75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 502 G/L (ACTUAL VOC DETERMINED PER EPA REFERENCE
METHOD 24)
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 Haza

rds Acute and Chronic:INHAL:RESP TRACT IRRIT, ACUTE NERV SYS
DEPRESS (HEADACHE,DIZZY,STAGGERING,CONFUSION,UNCONSCIOUS,COMA).
SKIN:ISOCYANATE REACT W/SKIN PROTEIN &
MOISTURE-IRRIT(SWELL,RED,RASH). ABSORP:IRRIT,DRYING,DEFAT(CRACK).
EYE:IRRIT(TEAR,RED,SWELL W/STING). INGEST:IRRIT,CORROSIVE IN GI
TRACT. VOMIT MAY CAUSE ASPIRATN-CHEM PNEMONITIS.
Effects of Overexposure:ACUTE: VAPORS IRRITATING TO EYES, NOSE, THROAT.
INHALATION MAY CAUSE HEADACHE, DIFFICULT BREATHING,
UNCO

UNCONSCIOUSNESS.

CHRONIC: PREVIOUS REPEATED OVEREXPOSURE/SINGLE
LARGE DOSE--ISOCYANATE SENSITIZATION CAN CAUSE REACTION TO LATER
LOW LEVELS OF EXPOSURE.

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

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First Aid Measures
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First Aid: INHALATION: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC
TYPE SYMPTOMS MAY DEVELOP (IMMEDIATE/DELAYED). GET MEDICAL AID. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS WITH SOAP & WATER.
WASH CONTAMINATED CLOTHING BEFORE REUSE. EYES: FLUSH WITH LUKEWARM
WATER (LOW PRESSURE) 15 MIN, LIFTING EYELIDS. GET MEDICAL AID.
INGESTION: DO NOT INDUCE VOMITING. NOTHING BY MOUTH TO UNCONSCIOUS
PERSON. GET MEDICAL AID.

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Fire Fighting Measures
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Flash Point Method: TCC

Flash Point: 45.0 F, 7.2 C

Lower Limits: 1.00

Upper Limits: 8.00

Extinguish

ing Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG,
WATER SPRAY.

Fire Fighting Procedures: USE FULL PROTECTIVE CLOTHING/FIREFIGHT EQUIPMENT WITH
SCBA. WATER MAY BE USED TO COOL CLOSED CONTAINERS (PREVENT PRESSURE
BUILDUP/AUTOIGNITION/EXPLOSION). HAZARDOUS IRRITANT VAPOR GENERATED BY FIRE

Unusual Fire/Explosion Hazard: KEEP CONTAINER CLOSED. KEEP FROM HEAT/IGNITION
SOURCE. CLOSED CONTAINER MAY EXPLODE WITH HEAT. APPLICABLE TO HOT SURFACE
REQUIRE SPECIAL PRECAUTION. OVEREXPOSURE TO DECOMPOSITION PRODUCT-HAZARDOUS.

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Accidental Release Measures
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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.

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Handling and Storage
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Handling and Storage Precautions: STORE IN BUILDINGS IN COMPLIANCE WITH OSHA
1910.106. AVOID STORING NEAR HIGH TEMPERATURES/OTHER IGNITION SOURCES.
STORE IN TIGHTLY CLOSED CONTAINERS

CONTAINERS IN VENTED AREAS

Other Precautions:KEEP CONTAINER TIGHT & UPRIGHT (PREVENT LEAK).

PREVENT PROLONGED BREATHING OF VAPOR. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DON'T INGEST. DO NOT HANDLE TIL L PRECAUTIONS READ & UNDERSTOOD.

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

Respiratory Protection:RESPIRATOR RECOMMENDED FOR USE IN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/AIR SUPPLIED). OBSERVE OSHA REGS FOR

RESPRTRS. VENT TO KEEP CONC BELOW TLV/PEL. AIR SUPPLIED RSPRTR RECOMMENDED. VAPOR PARTIC RSPRTR (TC23C) WHEN 10X BELOW TLV/PEL.

Ventilation:EXHAUST VENT TO KEEP CONCENTRATIONS BELOW TLV'S. REMOVE ALL IGNITION SOURCES (HEAT, SPARKS, FLAME, HOT SURFACES).

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLASH GUARDS, SIDE/FACE SHIELD, 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 =====

HCC:F5

Boiling Pt:B.P. Text:230 TO 338F

Vapor Density:> AIR

Spec Gravity:0.93397

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:61.2

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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 & HIGH TEMPERATURES

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

Conditions to Avoid Polymerization:CONTACT WITH MO

ISTURE, MATERIALS
WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURES

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORD W/FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. HANDLE EMPTY CONTAINERS W/CARE (PRODUCT RESIDUE/FLAMMABLE VAPOR). DO NOT INCINERATE CLOSED CONTAINERS. EPA HAZ ARDOUS WASTE #: D001, F003, F005, IGNITABLE.

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