

DEFT INC -- CAT, MIL-C-83286,30117 PART B -- 8010-01-053-0584

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

Product ID:CAT, MIL-C-83286,30117 PART B

MSDS Date:07/19/1991

FSC:8010

NIIN:01-053-0584

Kit Part:Y

MSDS Number: BRKKC

=== 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:714-474-0400 8

00-424-9300(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:ALIPHATIC ISOCYANATE OF HEXAMETHYLENE DIISOCYANATE (HDI)

CAS:28182-81-

2

RTECS #:HQ9170000

Fraction by Wt: 30%

Other REC Limits:NOT SPECIFIED

Ingred Name:XYLENE (SARA 313) (VAPOR PRESSURE 21 MM HG @ 100F)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: < 5%

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: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

AC

GIH TLV:150 PPM/STEL 200 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL BENZENE (SARA 313) (VAPOR PRESSURE 7.1 MM HG @ 68F)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/STEL 125 PPM

ACGIH TLV:100 PPM/STEL 125 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA 313) (VAPOR PRESSURE 22 MM HG @ 68F)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 ST

EL
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 @ 68F)
CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 5%
Other REC Limits:50 PPM/STEL 100 PPM

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313) (VAPOR PRESSURE 15 MM HG @ 68F)
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 313) (VAPOR PRESSURE 70 MM HG @ 68F)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 45%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/STEL 300 PPM
ACGIH TLV:200 PPM/STEL 300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 633 G/L
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:N

O OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INGESTION: CAN RESULT IN IRRITATION & POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE & DIGESTIVE TRACT. VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT RESULTING IN CHEMICAL PNEUMONITIS. V APORS ARE IRRITATING TO EYES, NOSE & THROAT. INHALED CAUSE HEADACHES, DIFFICULT BREATHING & LOSS OF CONSCIOUSNESS.

Explanation of Carcinogenicity:PROP 65-WARNING:THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIF TO CAUSE BIRTH

DEFECTS/REPRODUCTIVE HARM

Effects of Overexposure:INHALATION: IRRITATION RESPIRATORY TRACT. HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS/COMA. SKIN: IRRITATION. SWELLING, REDNESS, RASH. EYES: LIQUID, AREOSOLS, VAPORS IRRITATING CAUSE TEARING, REDNESS, SWELLING, STINGING. SKIN ABSORP: CAUSE MODERATE IRRITATION, DRYING/CRACKING DUE TO DEFATTING ACTION

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS. ISOCYANATE SENSITIZATION. NERVOUS SYSTEM DEPRESSION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREAS WITH SOAP & WATER. EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN

UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:23.0F,-5.0C

Lower Limits:1.00 %

Upper Limits:11.00 %

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:FIREFIGHTING EQUIPMENT W/SCBA. H2O USED COOL CLOSED CONTAINERS PREVENT PRESSURE BUILDUP/AUTO IGNITION/EXPLOSION. DURING FIRE HDI VAPORS GENERATED BY COMBUSTION.

Unusual Fire/Explosion Hazard:ISOL

ATE FROM ALL HEAT TYPES. CLOSED
CONTAINERS EXPLODES EXPOSED TO EXTREME HEAT. DURING EMERGENCY
CONDITIONS OVEREXPOSURE TO DECOMP.PRODUCTS CAUSE HEALTH HAZARD

===== 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:BUILDINGS DESIGNED TO COMPLY W/OSHA
1910.106 AVOID STORING NEAR HIGH TEMPERATURES. STORE IN TIGHTLY
CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS.

Other Precautions:PREVENT LEAKAGE. PREVENT BREATHING VAPORS, SPRAY
MISTS. OVEREXPO CAUSE ALLERGIC REACTIONS. AVOID CONTACT WITH SKIN,
& EYES. DON'T INGEST. DON'T HANDLE UNTIL THE MANUFACTURERS SAFETY
PRECAUTIONS HAVE BEEN READ & UNDERSTOOD.

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

Respiratory Protection:OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE.
VENT AREA TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE
LIMITS. AIR SUPPLIED RESPIRATOR IS RECOMMENDED. VAPOR PARTICULATE
RESPIRATOR (TC23C NIOSH/MSHA) APPROPRIATE WHEN 10 TIMES BELOW
LIMIT.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE
CONCENTRATIONS OF SOLVENT, HDI & POLYISOCYANATES BELOW RESPECT
TLV'S.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:CHEMICAL GOGGLES, FULL-FACE SHIELD

Other Protective Equipment:THE USE OF LONG SLEEVE & LONG LEG CLOTHING
IS RECOMMENDED. REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

Supplemental Safety and Health
KEY1;F5.

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

HCC:F5

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

Vapor Density:> AIR

Spec

Gravity:0.90156

Evaporation Rate & Reference:3.24 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:76.9

===== 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 =====

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS.

Disclaimer

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