

DEFT INC. -- CAT, MIL-C-83286,37925 UNTINTED 03W046 CAT -- 8010-00-482-5667  
===== Product Identification =====

Product ID:CAT, MIL-C-83286,37925 UNTINTED 03W046 CAT

MSDS Date:07/08/1988

FSC:8010

NIIN:00-482-5667

Kit Part:Y

MSDS Number: BJYXM

=== 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

CAGE:FO688

=== Contractor Identification ===

Company Name:DEFT INC.

Address:17451 VON KARMAN

City:IRVINE

State:CA

ZIP:92714

Phone:(714) 474-0400

CAGE:FO688

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 (MEXAMETHYLENE DIISOCYANATE (HDI) CAS

NO 822-06-0,FREE MONOMER LESS THAN 0.7%\*

CAS:2818

2-81-2  
RTECS #:HQ9170000  
Fraction by Wt: 30%  
Other REC Limits:NONE SPECIFIED

Ingred Name:\*AFTER 3-6 MONTHS STORAGE FREE MONOMER MAY RISE TO 1.6.  
RTECS #:9999999ZZ  
Other REC Limits:MOBY CEILING 0.02PPM  
ACGIH TLV:0.005 PPM

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS  
:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: < 5%  
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:ETHYL-3-ETHOXYPROPIONATE (VP .7 MM HG)  
CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 5%  
Other REC

Limits:NONE SPECIFIED

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)

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 (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 45%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CERTAIN PEOPLE DEVELOP ISOCYANATE

SENSITIZATION WHICH CAUSE THEM TO REACT TO A LATER EXPOS OF

ISOCYANATE AT LEVELS WELL BELOW THE TLV VALUE OF ISOCYANATES.POSS

CORROSIVE ACTION IN THE MOUTH,STOMACH TISSUE & DIGESTIVE

TRACT.VAPORS ARE IRRITTO EYES,NOSE & THROAT.INHALATION

CAN CAUSE

HEADACHE,DIFFIC BREATHING/UNCONSCIOU

Effects of Overexposure:INHALATION:IRRIT OF THE RSPRTRY TRACT/ACUTE

NERVOUS SYSTEM DEPRESS,HEADACHE,DIZZINESS,STAGGERING

GAIT,CONFUSION,

UNCONSCIOUS/COMA.SKIN:IRRIT,SWELLING,REDNESS/RASH,DRYING,DEFATTING.

EYES: IRRIT,TEARING, REDNESS,SWELLING,STINGING

SENSATION.INGESTION:VOMIT MAY CAUSE ASPIRATION OF THE

SOLVENT,RESULTING IN CHEM PNEUMONITIS.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY

DISORDE

RS. SKIN ALLERGIES, ECZEMA AND DERMITITIS. ISOCYANATE SENSITIZATION.

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

First Aid:INHALATION:MOVE FROM EXPOSURE AREA.RESTORE BREATHING.ASTMATIC TYPE SYMPTOMS MAY DEVELOP IMMED/DELAYED.GET MED HELP. SKIN:REMOVE CONTAMINATED CLOTHING.WASH AFFECTED AREAS THOROUGHLY WITH SOAP/ WATER.W ASH CLOTHING BEFORE REUSE.EYES:FLUSH WITH LUKEWARM WATER FOR 15 MIN, OCCASIONALLY LIFTING EYELIDS.GET MED ATTN.INGESTION:DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON.GET MED A

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

Flash Point Method:TCC  
Flash Point:23F/-5C  
Lower Limits:1  
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG  
Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA/FULL PROTECT CLOTHES SHOULD BE WORN.USE H2O TO COOL CLOSED CONTAINERS TO STOP PRESS BUILD-UP,AUTO-IGNIT/EXPLOS.HDI VAPORS MAY FORM.  
Unusual Fire/Explosion Hazard:  
d:KEEP CONTAINERS TIGHTLY CLOSED ISOLATE FROM HEAT,SPARKS.CLOSED CONTAINERS MAY EXPLODE IN HIGH HEAT.APPLY TO HOT SURFACE NEED SPECIAL PRECAUTION.HEALTH HAZARD.

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

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL.REMOVE ALL SOURCES OF IGNIT (FLAME,SPARK SOURCE,HOT SURFACES). VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

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

Handling and Storage Precautions:STORE IN BUILDINGS PER OSHA 1910.106.AVOID STORING NEAR HIGH TEMPS,FIRE,OPEN FLAMES/SPARK SOURCE.STORE IN TIGHTLY CLOSED CONTAINERS IN WELL VENT AREA.  
Other Precautions:KEEP CONTAINER TIGHT/UPRIGHT TO STOP LEAKAGE.PREVENT PROLONG BREATHING VAPORS/SPRAY MIST.PROLONG OVEREXPOS MAY CAUSE ALLERGIC REACTION.AVOID CONTACT W/SKIN/EYES.DO NOT TAKE INTERNALLY.DONOT HANDLE UNTIL MANUF PRECAUTION ARE READ/UNDERSTOOD.

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

Respiratory Protection:A RSPRTR THAT IS RECOMMENDED/APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT IS NECESSARY.OBSERVE OSHA REGS FOR RSPRTR USE. VENT SHOULD BE PROVIDED TO KEEP EXPOS LEVELS BELOW LIMITS.A VAPOR PARTICULA TE RSPRTR IS RECOMMENDED.

Ventilation:EXHAUST VENT SUFFIC TO KEEP THE AIRBORNE CONCENTRAT OF SOLVENT VAPORS/MIST BELOW THEIR LIMITS.REMOVE ALL IGNIT SOURCES.

Protective Gloves:USE COTTON,NEOPRENE, RUBBER POLYETHYLENE.

Eye Protection:CHEM GOGGLES,FACE SHIELD,W/SPLASH GUARDS

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:175 TO 338F

Vapor Density:> AIR

Spec Gr

avity:0.90

Evaporation Rate & Reference:3.54 X N-BUTYL ACETATE

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 Product

s: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 FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH CARE DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS.

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e compiling agencies):

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