

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-83286, 15044 03BL048 -- 8010-00-181-8284
===== Product Identification =====

Product ID:CAT, MIL-C-83286, 15044 03BL048
MSDS Date:06/30/1989
FSC:8010
NIIN:00-181-8284
Kit Part:Y
MSDS Number: BMSKP
=== Responsible Party ===
Company Name:DEFT INC CHEMICAL COATING DIV
Address:17451 VON KARMAN AVE
City:IRVINE
State:CA
ZIP:92714-6205
Country:US
Info Phone Num
:714-474-0400
Emergency Phone Num:800-424-9300 CHEMTREC
CAGE:33461
=== 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

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

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313) (VP: 15 MM HG)
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
EP

A Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2-ETHOXYETHYL ACETATE (REPRODUCT HAZ IN TEST ANIMALS.
POSSIBLE LIVER/KIDNEY EFFECTS) (AVOID SKIN CONTACT) (VP: 2. MM HG)
CAS:111-15-9
RTECS #:KK8225000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:5 PPM

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:ALIPHATIC ISOCYANATE (HEXAMETHYLENE DIISOCYANATE (HDI) CAS
822-06-0, FREE MONOMER CONTENT LESS THAN 0.7% BASED ON RESIN*
CAS:28182-81-2
RTECS #:HQ9170000
Fraction by Wt: 30%
Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 8.4 MM HG)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/200 PPM STEL
ACGIH TLV:150 PPM/200 PPM STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA 313) (V

APOR PRESSURE 21 MM HG)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 PPM STEL

ACGIH TLV:100 PPM/150 PPM STEL

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE (SARA 313) (VAPOR PRESSURE 70.2 MM HG)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 45%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 PPM STEL

ACGIH TLV:200 PPM/300 PPM STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

RTECS #:9999999ZZ

Other REC Lim

its:MOBAY: .02PPM CEIL

ACGIH TLV:0.005 PPM

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: VAPORS IRRITATING TO EYES,
NOSE, THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING,
LOSS OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF PREVIOUS REPEATED
OVEREXPOSURE OR A SINGLE LARGE DOS E, CERTAIN PERSONS WILL DEVELOP

ISOCYANATE SENSITIZATION WHICH WILL CAUSE LATER REACTION.INHALE:
RESPIRATORY IRRITATION,

Effects of Overexposure:NERVE SYS DEPRESSION-HEADACHE,DIZZINESS,
STAGGERING GAIT,CONFUSION,UNCONSCIOUSNESS,COMA.

SKIN:IRRIT-SWELLING, REDNESS,RASH.

EYE:IRRIT-TEARING,REDNESS,SWELLING,STINGING. SKIN ABSORB:

DRYING,DEFATTING,C RACKING. INGEST:IRRIT, POSSIBLE CORROSIVE TO
MOUTH, STOMACH,DIGESTIVE TRACT.VOMITING,LUNG ASPIRATION/CHEMICAL
PNEUMONIT

Medical Cond Aggravated by Expos

ure:ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA AND DERMATITIS. ISOCYANATE SENSITIZATION.

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

First Aid:INHALE: MOVE TO RISKFREE AREA AWAY FROM EXPOSURE. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP & BE IMMEDIATE OR DELAYED. GET MED AID. SKIN: REMOVE CONTAM CLOTHES. WASH WITH SOAP & WATER. WA SH CONTAM CLOTHES BEFORE REUSE. EYES: FLUSH W/LUKEWARM WATER FOR 15 MIN-LIFTING LIDS. GET MED AID. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC
Flash Point:23.0F,-5.0C
Lower Limits:1.0
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG
Fire Fighting Procedures:FULL FIREFIGHTING EQUIPMENT W/SCBA & FULL PROTECT CLOTHES TO BE WORN. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP/EXPLOSION.
Unusual Fire/Explosion Hazard:CLOSED CNTNRS MAY EXPLODE W/EXTREME HEAT. HOT SURFACE APPLICATION NEEDS SPECIAL PRECAUTIONS. OVEREXPOSURE TO DECOMP PRODUCTS MAY CAUSE DELAYED 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:STORAGE BUILDINGS:COMPLY W/OSHA1910.106. AVOID STORING NEAR HIGH TEMPS, FIRE, OPEN FLAMES & SPARK SOURCES. STORE IN CLOSED CONTAINERS IN VENTIL AREA.
Other Precautions:KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED BREATHING OF VAPORS OR SPRAY MISTS. PROLONGED OVEREXPOSURE MAY CAUSE AN ALLERGIC REACTION. AVOID CONTACT WITH SKIN AND EYES. DO NO

T TAKE INTERNALLY. DO NOT HANDLE UNTIL

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===== Exposure Controls/Personal Protection =====
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Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REGS FOR RESPIRATOR USE.

VENTILATION SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW LIM.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS BELOW TLV. REMOVE ALL IGNITION SOURCES.

Protective Gloves:NEOPRENE, RUBBER, POLYETHYLENE GLOVES

Eye Protection:SAFETY EYEWEAR, SPLASHGUARDS/SIDESHIELDS

Other Protective Equipment:LONG SLEEVE AND LONG LEG CLOTHING. 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

MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

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===== Physical/Chemical Properties =====
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HCC:F2

Boiling Pt:B.P. Text:175 TO 313F

Vapor Density:> THAN AIR

Spec Gravity:< WATER

Evaporation Rate & Reference:3.56 (N-BU AC)

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:76.8

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===== Stability and Reactivity Data =====
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS OR OPEN FLAMES.

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE

: CARBON

MONOXIDE, CARBON DIOXIDE AND OXIDES OF NITROGEN, TRACES OF HCN & HDI.

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

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