

DEFT INC -- MIL-C-461680D, 37038, TY II, AMEND, PC03BK0 -- 8010-01-144-9885

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

Product ID:MIL-C-461680D, 37038, TY II, AMEND, PC03BK0

MSDS Date:01/28/1991

FSC:8010

NIIN:01-144-9885

Kit Part:Y

MSDS Number: BNKSF

=== 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

Emergen

cy Phone Num:800-424-9300(CHEMTREC)

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:ETHYL-3-ETHOXYPROPIONATE (VAPOR PRESSURE .7 MM HG)

CAS:763-69-9

RTECS #:UF3325000

Fraction by Wt: 5%.
Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE (SARA III) (VAPOR PRESSURE 8.4 MM HG)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 25%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/200 STEL
ACGIH TLV:150 PPM/200 STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ANTISETTLING AGENT
Fraction by Wt: < 1%.
Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: < 1%.
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:C8 & 10 AROMATIC HYDROCARBON (VAPOR PRESSURE 3 MM HG)
CAS:64742-95-6
Fraction by Wt: < 1%.
Other REC Limits:NONE SPECIFIED

Ingred Name:DISPERSION AGENT
Fraction by Wt: < 1%.
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ISOBUTYL KETONE (SARA III) (VAPOR PRESSURE 15 MM HG)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 5%.
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:ANTI MAR AGENT
Fraction by Wt: < 1%.
Other REC Limits:NONE SPECIFIED

Ingred Name:XYLENE (SARA III) (VAPOR PRESSURE 21 MM HG)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: < 0.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150 STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III) (VAPOR PRESSURE 7.1 MM HG)
CAS:100-41-4
RTECS #:DA0700000
Fraction
by Wt: < 0.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125 STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:PMGE ACETATE (VAPOR PRESSURE 3.8 MM HG)
CAS:108-65-6
RTECS #:AI8925000
Fraction by Wt: < 0.1%
Other REC Limits:100 PPM
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:DIBUTYLTIN DILAURATE (VAPOR PRESSURE .2 MM HG)
CAS:77-58-7
RTECS #:WH7000000
Fraction by Wt: < 0.1%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:.1MG/M3;.2MG/M3 STE

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Ingred Name:VOC: 544 G/L
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES/NOSE AND THROAT. INHAL MAY CAUSE HEADACHES, DIFFICULT BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT WILL CAUSE DRYING AND CRACKING OF SKIN, DUE T O DEFATTING. SKIN SENSITIZATION, ASTHMAOR OTHER ALLERGIC RESPONSES MAY DEVELOP.
Effects of Overexposure:INHAL: IRRIT OF RESP TRACT/ACUTE NERV SYS W/HEADACHE/DIZZINESS/STAGGERING GAIT/CONFUSION/UNCONSCIOUSNESS/COMA. SKIN: MOD IRRIT. MAY BE SWELLING/REDNESS/RASH/DRYING/DEFATTING. EYE: IRRIT. MAY CAUSE TEA RING/REDNESS/SWELLING W/STINGING SENSATION. INGEST: IRRIT/POSS CORROSIVE ACTION IN MOUTH/STOMACH TISSUE/DIGEST TRACT.**
Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZ
EMA AND DERMITITIS.
**VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT, RESULTING IN CHEMICAL PNEUMONITIS.

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

First Aid:INHAL: MOVE FROM EXPOSURE. RESTORE BREATHING. ASTHMATIC SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED. GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING/LAUNDRER BEFORE REUSE. WASH WITH SOAP AND W ATER. EYE: FLUSH W/CLEAN LUKEWARM WATER(LOW PRESS) FOR 15 MINS, OCCASIONALLY LIFT ING EYELIDS. GET MED AID. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC
Flash Point:45 F
Lower Limits:1.%
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.
Fire Fighting Procedures:WEAR FULL EQUIP WITH SCBA & FULL PROTECTIVE CLOTHING. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION O

R EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP CNTNRS CLSD TIGHT. ISOLATE FROM HEAT/SPARKS/ELEC EQUIP/OPEN FLAME/ CLOSED CNTNRS MAY EXPLODE W/EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL*

===== 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:STORE IN BLDG TO COMPLY W/OSHA 1910.106. AVOID STORING NEAR HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGHTLY CLSD CNTNRS IN WELL VENT AREA.
Other Precautions:KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE. AVOID PROLONGED BREATHING OF VAPOR/MIST, MAY CAUSE ALLERGIC REACTION. AVOID CONTACT W/SKIN AND EYES. DO NOT INGEST. DO NOT HANDLE UNTIL MFR SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

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

Respiratory Protection:RESP APPROVED FOR USE IN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REG FOR RESP USE. VENT SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW OSHA PERMISSIBLE LIMITS. IF TLV LIMITS BELOW OSHA/ACGIH****

Ventilation:EXHST VENT SUFFICIENT TO KEEP AIRBORNE CONC OF SOLVENT VAPOR/MIST BELOW RESPECT TLV'S MUST BE UTILIZED. CONDITIONS OF

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLSH GUARD/SIDE-FACE SHIELD/CHEM GOGGLE

Other Protective Equipment: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

****LIMITS, AN AIR SUPPLIED RESP MAY NOT BE REQUIRED. OTHER MSHA/NIOSH APPROVED RES

PIRATORS MAY BE USED.

***ADDITIVE TOXIC EFFECTS SHOULD BE CONSIDERED,
SEE ACGIH (THRESHOLD LIMIT VALUES FOR MIXTURES) REMOVE ALL IGNITION
SOURCES (HEAT, SPARKS, FLAME AND HOT SURFACES).

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

Boiling Pt:B.P. Text:205-338 F
Vapor Density:> THAN AIR
Spec Gravity:1.33
Viscosity:THIN TO HEAVY
Evaporation Rate & Reference:0.84 X N-BUTYL ACETATE
Appearance and Odor:BLACK LIQUID WITH SOLVENT ODOR.
Percent Volatiles by Volume:62.7

===== Stability and Reactivity Data =====

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.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE &
LOCAL ENVIRONMENTAL CONTROL REG. EMPTY CONTAINERS MUST BE HANDLED
WITH CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT
INCINERATE CLOSED CONTAINERS . EPA HAZARDOUS WASTE NUMBER/CODE:
D001/F003/F005.

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