

DEFT, INC. -- TYPE I, POLYURETHANE MIL-PRF-85285C (MIL-C-85285B) -- 8010-01-397-3980

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Product Identification
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Product ID:TYPE I, POLYURETHANE MIL-PRF-85285C (MIL-C-85285B)

MSDS Date:05/30/2000

FSC:8010

NIIN:01-397-3980

Status Code:A

MSDS Number: CLMXR

=== Responsible Party ===

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Info Phone Num

:949-474-0400

Emergency Phone Num:800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

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

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Composition/Information on Ingredients
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Ingred Name:N-BUTYL ACETATE

CAS:123-86-4

RTECS #:AF7350000

= Wt:5.

OSHA PEL:710 MG/M3;150 PPM

ACGIH TLV:713 MG/M3;150 PPM

ACGIH STEL:950 MG/M3;200 P

PM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE
CAS:763-69-9
RTECS #:UF3325000
= Wt:5.

Ingred Name:C8&10 AROMATIC HYDROCARBON
CAS:64742-95-6
Code:F
RTECS #:WF3400000
< Wt:1.

Ingred Name:2-BUTOXYETHANOL
CAS:111-76-2
RTECS #:KJ8575000
< Wt:.1
OSHA PEL:240 MG/M3;50 PPM
ACGIH TLV:121 MG/M3;25 PPM

Ingred Name:ANTI-FLOAT AGENT
CAS:1317-65-3
Code:F
RTECS #:EV9580000
< Wt:1.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:ANTI MAR AGENT
CAS:9038-95-3
Code
:F
RTECS #:MO0911000
< Wt:.1

Ingred Name:ANTI MAR AGENT
< Wt:.1

Ingred Name:FLOW AGENT
CAS:26376-86-3
Code:F
< Wt:1.

Ingred Name:DIBUTYLTIN DILAURATE
CAS:77-58-7
RTECS #:WH7000000
< Wt:.1

Ingred Name:2,4-PENTANEDIONE
CAS:123-54-6
RTECS #:SA1925000
< Wt:5.

Ingred Name:METHYL N-AMYL KETONE
CAS:110-43-0
RTECS #:MJ5075000
= Wt:20.

==== Hazards Identification =====

Health Hazards Acute and Chronic:VAPORS ARE IRRITATING TO EYES, NOSE AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING AND LOSS OF CONSCIOUSNESS. PROLONGED CONTACT WILL CAUSE DRYING AND CRACKING OF THE SKIN, DUE TO DEF ATTING ACTION. SKIN SENSITIZATION, ASTHMA OR OTHER ALLERGIC RESPONSES MAY DEVELOP.

Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION CHARA
TERIZED BY THE FOLLOWING

PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR C OMA.SKIN: CONTACT WITH THE SKIN CAN CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING, REDNESS, AND RASH.EYES: LIQUID, AREOSOLS, OR VAPORS ARE IRRITATING AND MAY CAUSE TEARING, REDNESS, AND SWELLING ACCOMP ANIED BY A STINGING SENSATION. INGESTION: CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND DIGESTIVE TRACT.

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

First Aid:INHALATION: MOVE TO AN AREA FREE FROM RISK OF FUTHER EXPOSURE. RESTORE BREATHING.ASTHMATIC TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS. OBTAIN MEDICAL ATTENTION. SKIN: W ASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER.WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR 15 MINUTES, OCCASIONALLY LIFTING EYELIDS.O BT
AIN MEDICAL ATTENTION.INGESTION:
DO NOT INDUCE VOMITING.DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=24.4C, 76.F

Lower Limits:0.76%

Upper Limits:11.40%

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

Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT WITH SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE

CLOTHING

SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY BE USED TO COOL, CLOSED CONTAINER TP PREVENT PRESSURE BUI LD UP AUTO IGNITION OR EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HE ALTH 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:STORE IN TIGHTLY CLOSED CONTAINERS.

STORE IN WELL VENTILATED AREAS. STORE IN BUILDINGS DESIGNED TO

COMPLY WITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES .

Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED BREATHING OF VAPORS OR SPRAY MISTS. PROLONGED OVER EXPOSURE MAY CAUSE AN ALLERGIC REACTION. AVOID CONTACT WITH SKIN AND EYES. DO NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ AND UN DERSTOOD. WASH HANDS

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

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 REGULATIONS FOR RESPIRATOR USE. IF TLV LIMITS CAN BE MAINTAINED AND DOCUMENTED BELOW ACGIH/OSHA LIMITS, AN AIR SUPPLIED RESPIRATOR MAY NOT BE REQUIRED.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS OR

MISTS BELOW THEIR RESPECTIVE
TLV'S MUST BE UTILIZED.

Protective Gloves:PROTECTIVE GLOVES ARE RECOMMENDED (COTTON, NEOPRENE,
RUBBER POLYETHYLENE)

Eye Protection:USE OF SAFETY SPLASH GUARDS OR SIDE SHIELDS,

Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING
IS RECOMMENDED.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:260-475 DEG F

Vapor Density:HEAVIER

Spec Gravity:1.21489

VOC Pounds/Ga

Ilon:463

Viscosity:THIN LIQUID TO HEAVY

Evaporation Rate & Reference:0.39 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:BLACK LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:53.8%

===== 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:CARBON MONOXIDE, CARBON DIOXIDE, AND
OXIDE

S OF NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH
FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

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