

DEFT, INC. -- POLURETHANE MIL-C-85285B -- 8010-01-397-3942

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

Product ID:POLURETHANE MIL-C-85285B

MSDS Date:11/15/1995

FSC:8010

NIIN:01-397-3942

Status Code:A

MSDS Number: CLMXK

=== 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:800424-9300

Prepar

er's Name:ERNEST CARTER

Chemtre 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 =====

Ingred Name:N-BUTYL ACETATE

CAS:123-86-4

RTECS #:AF7350000

= Wt:10.

OSHA PEL:710 MG/M3;150 PPM

ACGIH TLV:713 MG/M3;150 PPM

ACGIH STEL:950 MG/M3;200 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred

Name:ETHYL 3-ETHOXYPROPIONATE
CAS:763-69-9
RTECS #:UF3325000
= Wt:15.

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
< Wt:1.
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYLBENZENE
CAS:100-41-4
RTECS #:DA0700000
< Wt:1.
OSHA PEL:435 MG/M3;100 PPM
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:543 MG/M3;125 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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:METHYL N-AMYL KETONE
CAS:110-43-0
RTECS #:MJ5075000
= Wt:5.
OSHA PEL:465 MG/M3;100 PPM
ACGIH TLV:233 MG/M3;50 PPM

Ingred Name:ANTI MAR AGENT
< Wt:1.

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
< Wt:1.
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:188 MG/M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Ingred Name:DIBUTYLTIN DILAURATE
CAS:77-58-7

Chemical Name: 2,4-PENTANEDIONE

CAS: 123-54-6

RTECS #: SA1925000

Mol. Wt.: 98.1

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

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

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 DEFATTING ACTION. SKIN SENSITIZATION. ASTHMA OR OTHER ALLERGIC RESPONSES MAY DEVELOP.

Effects of Overexposure: INHALATION: IRRITATION OF THE RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS. SKIN: CONTACT WITH THE SKIN CAN CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING, REDNESS, AND RASH. EYES: LIQUID, AEROSOLS, OR VAPORS ARE IRRITATING AND MAY CAUSE TEARING, REDNESS, AND SWELLING ACCOMPANIED BY A STINGING SENSATION. SKIN ABSORPTION: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE

IRRITATION, DRYING, AND DEFATTING OF THE SKIN WHICH CAN CAUSE THE SKIN TO CRACK. INGESTION: ACUTE : CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND DIGESTIVE TRACT.

Medical Conditions Aggravated by Exposure: ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES. ECZEMA. AND DERMATITIS.

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

First Aid: INHALATION: MOVE TO AN AREA FREE FROM RISK OF FURTHER EXPOSURE. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE. EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR AT LEAST 15 MINUTE, OCCASIONALLY LIFTING EYELIDS. 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:=7.2C, 45.F

Lower Limits:1.00%

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 CONTAINERS TO PREVENT PRESSURE BUILD 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 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:STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106 AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES, STORE TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS.

Other Precautions:KEEP CONTAINERS TIGHT AND 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 NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

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

Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT(AIR PURIFYING OR FR

ESH AIR

SUPPLIED) IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE. VENTILATION SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE LIMITS.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS OR MISTS BELOW TLVS MUST BE UTILIZED. REMOVE IGNITION SOURCES.

Protective Gloves:PROTECTIVE GLOVES ARE RECOMMENDED

Eye Protection:SAFETY SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES OR FACE SHIELDS.

Other Pro

ective Equipment:THE USE OF LONG SLEEVE AND LONG LEG

CLOTHING IS RECOMMENDED. REMOVE AND WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:230-401 DEG F

Vapor Density:HEAVIER

Spec Gravity:1.09724

VOC Pounds/Gallon:325

Viscosity:THIN LIQUID TO HEAVY

Evaporation Rate & Reference:0.45 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:BLUE LIQUID WITH SOLVENT ODOR

Percent

Volatiles by Volume:36.1%

===== 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 OXIDES OF NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED O

F IN ACCORDANCE WITH
FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

===== Other Information =====

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