

DEFT, INC. -- TYPE I, POLYURETHANE MIL-PRF-85285C, 15044, TY I -- 8010-01-329-8709

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Product Identification
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Product ID:TYPE I, POLYURETHANE MIL-PRF-85285C, 15044, TY I

MSDS Date:05/30/2000

FSC:8010

NIIN:01-329-8709

Status Code:A

MSDS Number: CLKSR

=== 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:RYAN MICKELSON

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: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:10.

Ingred Name:DISPERSION AID

< Wt:1.

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:ISOB

UTYL ALCOHOL

CAS:78-83-1

RTECS #:NP9625000

< Wt:.1

OSHA PEL:300 MG/M3;100 PPM

ACGIH TLV:152 MG/M3;50 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 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

CAS:9038-95-3

Code:F

RTECS #:MO0911000

< Wt:.1

< Wt:.1

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

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

Ingred Name:BUTYL CARBITOL ACETATE
CAS:124-17-4
RTECS #:KJ9275000
< Wt:5.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES,
NOSE, AND THROAT. INHALATIO
N MAY CAUSE HEACACHES, DIFFICULT
BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT
WILL CAUSE DRYING AND CRACKING OF THE SKIN, DUE TO DEFATTING
ACTION. SKIN SENSITIZATION, ASTHMA OR ALLERGIC RESPONSES MAY
DEVELOP.

Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT
AND ACUTE NERVOUS SYSTEM DEPRESSION CHARECTERIZED BY THE FOLLOWING
PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT,
CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN A

ND EYE CONTACT: SKIN:
CONTACT WITH THE SKIN CAN CAUSE IRRITATION. SYMPTOMS MAY BE
SWELLING, REDNESS, AND RASH. EYES: LIQUID, AEREOSOLS, 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

Medical Cond Aggravated by Exposure:ASTHMA AN

D ANY OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

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===== 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 BY SEVERAL HOURS. OBTAIN MEDICAL
ATTENTION. SK IN: 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 MINUTES, OCCASIONALLY LIFTING
EYELIDS. OBTAIN MEDICAL ATTENTION. INGESTION: DO NOT INDUCE
VOMITING. DO NOT GIVE ANYTHING TO AN UNCONCIOUS PERSON. OBTAIN
MEDICAL ATTENTION.

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

Flash Point Method:TCC
Flash Point:=-19.4C, 67.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
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. SYMPTOMS MAY

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===== 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.

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

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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 IN TIGHTLY CLOSED CONTAINERS. STORE 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. WASH HANDS

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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. VENTILATION SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE LIMITS.

IF TLV LIMITS CAN BE MAINTAINED AND DOCUMENTED BELOW THE OSHA/ACGIH LIMITS, AN AIR SUPPLY

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS OR MISTS BELOW THEIR RESPECTIVE TLV'S MUST BE UTILIZED.

Protective Gloves:COTTON, NEOPRENE, RUBBER POLYETHYLENE

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

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

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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Physical/Chemical Properties

Boiling Pt:B.P. Text:226-475 DEG F

Spec Gravity:1.11885

Evaporation Rate & Reference:041 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:BLUE LIQUID WITH SOLVENT ODOR

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability

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

Hazardous Decomposition Products:BY HIGH/TEMPERATURE: CARBON MONOXIDE,
CARBON DIOXIDE, AND OXIDES OF NITROGEN.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH
FEDERAL, STATE, AND LOCAL ENVIROMENTAL CONTROL REGULATIONS. EMPTY
CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND
FLAMMABLE VAPOR DO NOT INCINERATE CLOSED CONTAINERS.

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF
THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND
OF 40 CFR 372: 1330-20-7 XYLENE, 100-41-4 ETHYL BENZENE

State Regulatory Information:

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