

DEFT, INC. -- MIL-P-23377F, TYPE I, CLASS 1 -- 8010-00-082-2450

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Product Identification
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Product ID:MIL-P-23377F, TYPE I, CLASS 1

MSDS Date:06/20/1991

FSC:8010

NIIN:00-082-2450

Status Code:A

MSDS Number: CLLTC

=== 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:HENRY SIMMONS

Chemtec 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:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

= Wt:5.

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:N-BUTYL ACETATE

CAS:123-8

6-4
RTECS #:AF7350000
= Wt:20.
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:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
= Wt:5.
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:5.
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:LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)
CAS:64742-95-6
RTECS #:WF3400000
< Wt:1.

Ingred Name:STRONTIUM CHROMATE
CAS:7789-06-2
RTECS #:GB3240000
= Wt:20.
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:0.0005 MG/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:DIATOMACEOUS EARTH
CAS:61790-53-2
RTECS #:VV7311000
= Wt:15.
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:10 MG/M3

Ingred Name:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
< Wt:5.
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG

/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

===== **Hazards Identification**=====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES,
NOSE, AND THROAT. INHALATION MAY CAUSE HEADACHE, DIFFICULT
BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT
WILL CAUSE DRYING AND CRA
CKING OF THE SKIN, DUE TO DEFATTING
ACTION. SKIN SENSITIZATION, ASTHMA OR OTHER ALLERGIC RESPONSES MAY
DEVELOP. REPEATED AND PROLONGED EXPOSURE MAY CAUSE DELAYED EFFECTS
INVOLVING THE BLOOD, GASTROINTESTINAL, NERVOUS, REPRODUCTIVE
SYSTEMS.
Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT
& ACUTE NERVOUS SYSTEM DEPRESSION. SKIN AND EYE CONTACT: 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 AND REPEATED CONTACT
CAN CAUSE MODERATE IRRITATION, DRYING, AND DEFATTING OF THE SKIN
WHICH CAN CAUSE THE SKIN TO CRACK. INGESTION: CAN RESULT IN
IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH
TISSUE AND DIGESTIVE TRACT.
Medical Cond Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES,
ECZEMA, AND DERMITITIS.

===== **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
CONDITION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS
THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHES BEFORE
REUSE. EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESS

URE) FOR AT

LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. OBTAIN MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-5.C, 23.F

Lower Limits:1.00%

Upper Limits:11.00%

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

Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT WITH
SELF

-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY 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 OVEREX

POSURES TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

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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 INERT ABSORBENT AND NON-SPARKING TOOLS.

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

Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY
W

ITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES. STORE IN 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 UN DERSTOOD.

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

Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USED IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE.

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

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

Other Protective Equipment:THE USE OF LONG SLEEVES AND LONG LEG CLOTHING IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE.

Supplemental Safety and Health

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

Boiling Pt:=79.4C, 175.F

B.P. Text:175-335F

Vapor Density:>AIR

Spec Gravity:1.30012

VOC Pounds/Gallon:497

Viscosity:THIN TO HEAVY MATERIAL

Evaporation Ra

te & Reference:1.18 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:YELLOW LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:57.4

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND STRONG LEWIS OR MINERAL ACIDS.

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

AVOID UNCONTROLLED REACTIONS WITH AMINES.

Hazardous Decomposition Products:CARBON MONOXIDE, CAR

BON DIOXIDE, AND
OXIDES OF NITROGEN. ALDEHYDES AND ACIDS MAY BE FORMED DURING
COMBUSTION.

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

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

===== Regulatory Information =====
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SARA Title III Information:SARA 313 THIS PRODUCT CONTAINS THE
FOLLOWING 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. 108-8 8-3 TOLUENE 5.99% 1330-20-7
XYLENE 7.2%100-41-4 ETHYL BENZENE 1.47% 7789-06-2 STRONTIUM
CHROMATE 20.57% 78-93-3 METHYL ETHYL KETONE 2.33%

State Regulatory Information:PROP 65-CARCINOGENIC WARNING: THIS
PRODUCT CONTAINS A CHEMICAL KNOWN TO
THE STATE OF CALIFORNIA TO
CAUSE CANCER. 7789-06-2 STRONTIUM CHROMATE PROP65-TERATOGENIC:
WARNING THIS PRODUCT CONTAINS A C HEMICAL KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
108-88-3 TOLUENE

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