

DEFT, INC. -- EPOXY MIL-P-23377F, TYPE I, CLASS 1 -- 8010-00-142-9279

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

MSDS Date:06/20/1991

FSC:8010

NIIN:00-142-9279

Status Code:A

MSDS Number: CLKSD

=== 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: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:123-86-4

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 Nam

e:C&10 AROMATIC HYDROCARBONS

CAS:64742-95-6

Code:F

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: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. INHALATION MAY CAUSE HEADACHES, DIFFICULT
BREATHING AND LOSS OF CONCIIOUSNESS. CHRONIC: PROLONGED CONTACT
WILL CAUSE DRYING AND CRACKING OF THE SKIN, DUE TO DEFATTI

NG

ACTION. SKIN SENSITIZATION, ASTHMA OR OTHER ALLERGIC RESPONSES MAY
DEVELOP. REPEATED AND PROLONGED EXPOSURE MAY CAUSEDELAYED EFFECTS
INVOLVING THE BLOOD, GASTROINTSTINAL, NERVOU S AND REPRODUCTIVE
SYSTEMS.

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,UNCOCIOUSNESS OR C OMA. SKIN AND EYE CONTACT: SKIN:

C

ONTACT WITH THE SKIN CAN CAUSE IRRITATION. SYMPTOMS MAY BE
SWELLING, REDNESS, AND RASH. EYES: LIQUID, ARESOLS, OR VAPORS ARE
IRRITATING AND MAY CAUSE TEARING, RED NESS, AND SWELLING
ACCOMPANIED BY A STINGING SENSATION. SKIN ABSORPTION: PROLONGED
OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DRYING, AND
DEFATTING OR THE SKIN WHICH CAN CAUSE THE SKIN TO CR ACK.
INGESTION: ACUTE: CAN RESULT IN I

Medical Cond Aggravated by Exposure:ASHTMA 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 BY SEVERAL HOURS. OBTAIN MEDICAL
ATTENTION. SKI N: REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED
CLOTHING THOROUGHLY BEFORE REUSE. EYES: FLUSH WITH CLEAN LUKEWARM
WATER FOR AT LEAST 15 MINUT

ES, OCCASIONALLY LIFTING EYELIDS. OBTAIN
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE
ANYTHING TO AN UNCONSCIOUSNESS PERSON. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC

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

Lower Limits:1.00%

Upper Limits:11.00%

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

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

LL 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. SYMPTOMS MAY N

===== 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 A

VOID STORING NEAR HIGH TEMPERATURES, FIRES,
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 EXPOSURE MAY CAUSE AND 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 BEFORE EATING, SMOKING, OR USING WASHROOM.

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Exposure Controls/Personal Protection
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Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE. VENTILATION SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BE LOW THE OSHA PERMISSIBLE LIMITS.

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

Protecti

ve Gloves:COTTON, NEOPRENE, RUBBER, POLYEHTYLENE.

Eye Protection:SLASH 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
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Boiling Pt:B.P. Text:175-335 DEG F

Spec Gravity:1.30012

Evaporation Rate & Reference:1.18 X N BUTYL ACETATE

Solubility

in Water:INSOLUBLE

Appearance and Odor:YELLOW LIQUID WITH SOLVENT ODOR

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Stability and Reactivity Data
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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:BY HIGH HEAT/TEMPERATURE: CARBON

MONOXIDE, CAROBON DIOXIDE, AND OXIDES OF NITROGEN. ALDEHYDES AND

ACIDS MAY BE FORMED DURING COMBUSTION. CHROMIUM OXIDES WHEN BURNED.

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

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Regulatory Information
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SARA Title III Informat

ion: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: 108-88-3 TOLUENE, 1330-20-7 XYLENE, 100-41-4
ETHYL BENZENE, 7789-06-2 STRONTIUM CHROMATE, 78-93-3 METHYL ETHYL
KETONE.

State Regulatory Information:THIS PRODUCT CONTAINS A CHEMICAL KNOWN BY
THE STATE OF CALIFORNIA TO CAUSE CANCER: 7789-06-2 STONTIUM
CHROMATE, 61790-53-2 DIAT
OMACEOUS EARTH. THIS PRODUCT CONTAINS A
CHEMICAL KNOWN BY THE STATE OF CA LIFORNIA TO CAUSE BIRTH DEFECTS
OR OTHER REPRODUCTIVE HARM. 108-88-3 TOLUENE.

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