

DEFT, INC. -- TYPE I CLASS C2, EPOXY MIL-PRF-85582C -- 8010-01-292-8893

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Product Identification
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Product ID:TYPE I CLASS C2, EPOXY MIL-PRF-85582C

MSDS Date:06/16/1998

FSC:8010

NIIN:01-292-8893

Status Code:A

MSDS Number: CLMXC

=== 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 Ph

one 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:NITROETHANE

CAS:79-24-3

RTECS #:KI5600000

< Wt:5.

OSHA PEL:310 MG/M3;100 PPM

ACGIH TLV:307 MG/M3;100 PPM

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

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Wt:10.
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:STRONTIUM CHROMATE
CAS:7789-06-2
RTECS #:GB3240000
= Wt:25.
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:0.0005 MG/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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 M
G/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

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
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. REPEATED AND PROLONGED EXPOSURE MAY CAUSE DELAYED EFFECTS INVOLVING THE BLOOD, GASTROINTESTINAL, NERVOUS AND REPRODUCTIVE SYSTEMS.

Effects of Overexposure: INHALATION: IRRITATION OF THE RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN: CONTACT WITH THE SKIN CAN CAUSE IRR

ITATION. 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. INGESTION: ACUTE: CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND DIGESTIVE TRACT.

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

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===== First Aid Measures =====
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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. 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 MINUTES, OCCASIONALLY LIFTING EYELIDS. I

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: =7.2C, 45.F

Lower Limits: 1.00%

Upper Limits: 7.00%

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 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.

===== Accidenta
I Release Measures =====

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, SPARKS, HOT SURFACES). VENTILATE AREA CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

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

Handling and Storage Precautions: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. D O NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ AND U NDERSTOOD.

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

Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENTAL (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:SAFETY SPLASH GUARDS OR SIDE SHIELDS CHEMICAL GOGGLES OR FACE 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:230-300 DEG F
Vapor Density:HEAVIER
Spec Gravity:1.76471
VOC Pounds/Gallon:231
Viscosity:THIN LIQUID TO HEAVY
Evaporation Rate & Reference:1.49 X N-BUTYL
Solubility in Water:INSOLUBLE
Appearance and Odor:GREEN LIQUID WITH SLVENT ODOR
Percent Volatiles by Volume:24.7%

===== 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:CARBON MONOXIDE, CARBON DIOXIDE, AND
OXIDES OF NITROGEN.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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

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