

DEFT, INC. -- TYPE ICLASS C2, POLYAMIDE MIL-P-85582C -- 8010-01-292-8893

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Product Identification  
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Product ID:TYPE ICLASS C2, POLYAMIDE MIL-P-85582C

MSDS Date:06/16/1998

FSC:8010

NIIN:01-292-8893

Status Code:A

MSDS Number: CLMXG

=== 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: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:SEC-BUTYL ALCOHOL

CAS:78-92-2

RTECS #:EO1750000

= Wt:50.

OSHA PEL:450 MG/M3;150 PPM

ACGIH TLV:303 MG/M3;100 PPM

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250

000  
&lt; 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:AMINO SILANE ESTER  
CAS:1760-24-3  
Code:F  
RTECS #:KV7400000  
&lt; Wt:5.  
OSHA PEL:200 PPM  
OSHA STEL:250 PPM  
ACGIH TLV:200 PPM  
ACGIH STEL:250 PPM

===== 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 HEADACHE  
S, 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 OTHER ALLERGIC RESPONSES MAY DEVELOP.  
POTENTIAL FOR KIDNEY AND LIVER DAMAGE.  
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 CO MA.SKIN: CONTACT WITH THE SKIN CAN  
CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING, REDNESS, AND RASH.EYES:  
LIQUID, AREOSOLS, 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 Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY  
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITI  
S.

===== 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.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. 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:9.80%

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.

===== 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 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 UNDERSTOOD.

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===== 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 (COTTON, NEO PRENE, RUBBER, POLYETHYLENE)

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. REMOVE AND WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:211-300 DEG F

Vapor Density:HEAVIER

Spec Gravity:0.88836

VOC Pounds/Gallon:449

Viscosity:THIN LIQUID TO HEAVY

Evaporation R

ate & Reference:0.68 X N-BUTYL

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:56.0%

===== 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, CARBON DIOXIDE, AND

OXIDES OF NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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

Disclaimer (provided with this information by the compiling agencies):

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