

DEFT, INC. -- MIL-PRF-2337G (MIL-P-23377G) 02Y040CAT -- 8010-01-416-6556

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Product Identification
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Product ID:MIL-PRF-2337G (MIL-P-23377G) 02Y040CAT

MSDS Date:11/30/1999

FSC:8010

NIIN:01-416-6556

Status Code:A

MSDS Number: CKZHT

=== 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

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

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Composition/Information on Ingredients
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Ingred Name:ALIPHATIC AMINE

CAS:140-31-8

RTECS #:TK8050000

= Wt:15.

Ingred Name:SEC-BUTYL ALCOHOL

CAS:78-92-2

RTECS #:EO1750000

= Wt:30.

OSHA PEL:450 MG/M3;150 PPM

ACGIH

TLV:303 MG/M3;100 PPM

Ingred Name:C8&10 AROMATIC HYDROCARBON

CAS:64742-95-6

RTECS #:WF3400000

< Wt:5.

Ingred Name:AMINO SILANE ESTHER

CAS:1760-24-3

RTECS #:KV7400000

< Wt:1.

Ingred Name:EPOXY RESIN HARDENER

CAS:90-72-2

RTECS #:SN3500000

< Wt:5.

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE. VAPORS ARE IRRITATING T

O THE

EYES, NOSE, AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFICULT BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT WILL CAUSE DRYING AND CRACKING OF T HE SKIN, DUE TO DEFATTING ACTION. SKIN SENSITIZATION, ASTHMA OR OTHER ALLERGIC RESPONSES MAY DEVELOP. REPEATED AND PROLONGED EXPOSURE MAY CAUSE DELAYED INVOLVING THE THE BLOOD, GASTROINTESTINAL, NERVO US AND REPRODUCTIVE SYSTEMS.

Effects of Overexposure:IRRITATION OF THE RESPIRATORY TRACT & ACUTE

NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING

PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN A ND EYE CONTACT: CONTACT WITH THE SKIN CAN CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING, REDNESS, AND RASH. EYES: LIQUID, AREOSELS, OR VAPORS ARE IRRITATING AND MAY CAUSE TEARING, REDNESS, AND SWELLING A CCOMPANIED BY A STINGING SENSATION. SKIN ABSORPTION : PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION

. INGESTION: 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 DERMITITIS.

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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. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS 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 UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

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

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Flash Point Method: TCC

Flash Point: =22.2C, 72.F

Lower Limits: 1.00%

Upper Limits: 9.80%

Extinguishing Media: FOAM, ALCOHOL, 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 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.

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===== Accidental Release Measures =====

Spill Release Procedures: EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SO

URES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES).

VENTILATE AREA AND 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 OPEN 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 HAS BEEN READ AND UNDERSTOOD.

===== 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.

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, NEOPRENE,
RUBBER, POLYETHYLENE).

Supplemental Safety and Health

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

Boiling Pt:>99.4C, 211.F

B.P. Text:211- 401 DEG F

Vapor Density:> AIR

Spec Gravity:.94838

VOC Pounds/Gallon:281

Viscosity:THIN TO HEAVY MATERIAL

Evaporation Rate & Reference:.63 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:34.8%

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING MATERIALS AND ST

STRONG ACIDS. EPOXY RESINS UNDER UNCONTROLLED CONDITIONS.

Stability Condition to Avoid: HIGH TEMPERATURES, EPOXY RESINS UNDER UNCONTROLLED CONDITIONS.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

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

Waste Disposal Methods: WASTE MUST BE DISPOSED IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED IN 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 40 CFR 372: 7789-06-2 STRONTIUM CHROMATE 22.55 (PERCENT OF WEIGHT) . THIS PRODUCT CONTAINS CHROMATE (HEXAVALENT COMPOUND) 26% BY

WEIGHT.

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. THIS PRODUCT CONTAINS CHROMIUM (HEXAVALENT COMPOUND). PRO P-65-TERATOGENIC WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. NONE. PROP-65-CARCINOGENIC & TERATOGENIC WARNING: THIS PRODUCT MAY CONTAIN A CHEMICAL KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. NONE.

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