

DEFT INC -- CAT, MIL-C-H6168D, A/C GRN, AME, PC 03GN119 -- 8010-01-131-6255

===== Product Identification =====

Product ID:CAT, MIL-C-H6168D, A/C GRN, AME, PC 03GN119

MSDS Date:01/28/1991

FSC:8010

NIIN:01-131-6255

Kit Part:Y

MSDS Number: BNRST

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergen

cy Phone Num:800-424-9300(CHEMTREC)

CAGE:33458

=== Contractor Identification ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:800 424-9300

CAGE:33458

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Phone:949-474-0400

CAGE:33461

===== Composition/Information on Ingredients =====

Ingred Name:ALIPHATIC ISOCYANATE\*\*HEXAMETHYLENE DIISOCYANATE (HDI) CAS  
822-06-0, FREE MONO

MER CONTENT LESS THAN 0.7% BASED ON RESIN

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by Wt: 75%

Other REC Limits:NONE SPECIFIED

Ingred Name: SOLIDS AT THE TIME OF MFR. HOWEVER, AFTER 3-6 MONTHS STORAGE, THE FREE MONOMER CONTENT MAY RISE TO A MAXIMUM OF 1.6%

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name: THE ACGIH HAS PROPOSED A TLV OF 0.005PPM TWA IN THE NOTICE OF INTENDED CHANGES FOR 1987-88. MOBAY RECOMMENDS A

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred

Name: CEILING LEVEL OF 0.02PPM.

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 8.4 MM HG)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM/200 STEL

ACGIH TLV:150 PPM/200 STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (VAPOR PRESSURE 21 MM HG)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150 STEL

L

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:VOC: 264 G/L

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

===== 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 IRRITATING TO EYES, NOSE AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: PREVIOUS REPEATED OV

EREXPOSURE OR A

SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYANATE

Effects of Overexposure: LEVELS WELL BELOW THE TLV OF ISOCYANATES.

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

===== First Aid Measures =====

First Aid:INHAL: MOVE TO AREA FREE OF FUTHER EXPOSURE. RESTORE

BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP (IMMED OR DELAYED BY SEVERAL HOURS). GET MED AID. SKIN: RMV CONTAM CLOTH. WASH W/SOAP & WATER. WASH CLOTHES BEFORE REUSE. EYES: FLUSH W/LUKEWARM WATER (LOW PRESS) FOR 15 MINS, LIFT LIDS. GET MED AID. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC

Flash Point:76.0

F,24.4C

Lower Limits:1.

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

Fire Fighting Procedures:FULL FIRE FIGHT EQUIP & CLOTHING W/SCBA SHOULD BE WORN (FIRE FIGHTERS). WATER MAY BE USED TO COOL CLOSED CNTNRS TO PREVENT PRESS BUILDUP, AUTO IGNITION/EXPLOS.#

Unusual Fire/Explosion Hazard:KEEP CNTNRS CLSD TIGHT. ISOLATE FROM HEAT/SPARKS/ELEC EQUIP/OPEN FLAME. CLSD CNTNRS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQ\*

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

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

Neutralizing Agent:NO

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

Handling and Storage Precautions:STORE IN BLDG COMPLYING W/OSHA 1910.106. AVOID STORING NEAR: HIGH TEMP/FIRE/OPEN FLAMES/SPARK

SOURCES. STORE IN TIGHT CLSD CNTNRS IN WELL VENT AREAS.  
Other Precautions:KEEP CNTNR TIGHT/UPRIGHT (PREVENT LEAK). AVOID  
PROLONGED BREATHING OF VAPORS/SPRAY MIST. OVEREXPOS-POSS ALLERGIC  
REACTION. AVOID CONTACT W/SKIN/EYES. DO NOT INGEST. DO NOT HANDLE  
UNTIL MFR SAFETY PRE CAUTIONS HAVE BEEN READ AND UNDERSTOOD.

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

Respiratory Protection:RECOMMENDED OR APPROVED RESPIRATOR FOR USE IN AN  
ORGANIC VAPOR ENVIRONM  
ENT (AIR PURIFYING/FRESH AIR SUPPLIED) IS

NECESSARY. OBSERVE OSHA REG FOR RESP USE. VENT SHOULD BE PROVIDED  
TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE LIMITS.#

Ventilation:EXHST VENT SUFF TO KEEP AIRBORNE CONC OF SOLVENT VAPOR/MIST  
BELOW RESPECTIVE TLV'S MUST BE USED. REMOVE ALL IGNITION##

Protective Gloves:COTTON, NEOPRENE, RUBBER POLYETHYLENE

Eye Protection:SPLSH GRD/SIDE OR FACE SHLD/CHEM GOGGLES

Other Protective Equipment:LONG SLEEVE AND LONG LEG CLOTHING IS  
RECOMMEN

DED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING, OR USING  
WASHROOM. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

#AN AIR SUPPLIED RESPIRATOR IS RECOMMENDED. A VAPOR PARTICULATE RESP  
(TC23C NIOSH/MSHA) MAY BE APPROPRIATE WHERE AIR MONITORING  
DEMONSTRATES VAPOR LEVELS BELOW TEN TIMES THE APPLICABLE EXPOSURE  
LIMITS. ##SOURCES (HEAT, SPARKS, FLAME AND HOT  
SURFACES).

===== Physi  
cal/Chemical Properties =====

Boiling Pt:B.P. Text:260F,127C

Vapor Density:>THAN AIR

Spec Gravity:1.06

Viscosity:THIN-VISCOUS

Evaporation Rate & Reference:0.7 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:30.5

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS. OR THERMAL DECOMP. \*SPECIAL  
PRECAUTIONS. DURING

**EMERGENCY CONDITIONS OVEREXPOSURE\*\***

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

#DURING A FIRE HDI VAPORS/OTHER IRRIT VAPORS MAY BE GENERATED BY COMBUSTION

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURES: CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF NITROGEN.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMP

TY CONTAINERS MUST BE

HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. WASTE NO: D001, F003, F005.IGNITABLE.

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