

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-85285B, 36251, PC03GY310 CAT --
8010-01-353-6551

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

Product ID:CAT, MIL-C-85285B, 36251, PC03GY310 CAT

MSDS Date:02/13/1992

FSC:8010

NIIN:01-353-6551

Kit Part:Y

MSDS Number: BQDVQ

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:NORM GAUL

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

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

Ingred Name:ALIPHATIC ISOCYANATE, HEXAMETHYLENE DIISOCYANATE (HDI) CAS
NO. 822-06-0, FREE MONOMER CONTENT LESS THAN 0.5%.

CAS:28182-81-2

RTECS #:NQ9170000

Fr

action by Wt: 35%
Other REC Limits:MOBAY-0.02 CEILING
ACGIH TLV:0.005 PPM

Ingred Name:ALIPHATIC ISOCYANATE, HEXAMETHYLENE DIISOCYANATE (HDI) CAS
NO. 822-06-0, FREE MONOMER CONTENT LESS THAN 0.5%.
CAS:28182-81-2
RTECS #:NQ9170000
Fraction by Wt: 40%
Other REC Limits:MOBAY-0.02 CEILING
ACGIH TLV:0.005 PPM

Ingred Name:C8 & 10 AROMATIC HYDROCARBON (VP: 3 MMGH @ 68F)
CAS:64742-95-6
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE (VP: 13 MMGH @ 68F)
CAS:123-86
-4
RTECS #:AF7350000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/STEL 200
ACGIH TLV:150 PPM/STEL 200
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL-3-ETHOXYPROPIONATE (VP: .7 MMGH @ 68F)
CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 20%
Other REC Limits:50 PPM-TWA/STEL 100

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health

h Hazards Acute and Chronic:ACUTE: VAPORS IRRIT TO
EYES-NOSE-THROAT. INHAL MAY CAUSE HEADACHES-DIFFICULT BREATH-LOSS
OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF PREVIOUS REPEAT
OVEREXPOS/SINGLE LG DOSE, SOME INDIVIDUALS WILL DEVEL OP ISOCYANATE
SENSITIZATION CAUSING A REACTION TO LATER EXPOS OF ISOCYANATE
LEVELS WELL BELOW TLV VALUE OF ISOCYANATES

Effects of Overexposure:INHAL: RESP TRACT IRRIT, NERV SYS DEPRESS
W/HEADACHE-DIZZINESS-STAGGERING GAIT-CONFUSION-UNCONSCIOUS-COM

A.

EYE: IRRIT, TEARING-REDNESS-SWELLING W/STING SENSATION. SKIN: IRRIT W/SWELLING-REDNESS-RASH-D RY-DEFAT. INGEST: IRRIT, CORROSIVE ACTION IN MOUTH-STOMACH TISSUE-DIGEST TRACT. ASPIRATION W/VOMITING-CHEM PNEUMONITIS

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 FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE

SYMPTOMS-MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS-GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING-WASH BEFORE REUSE. WASH WITH SOAP AND WATER. EYES: FLUSH WITH WATER (LOW PRESSURE) 15 MINUTES, LIFTING 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:76.0F,24.4C

Lower Limits:1.00%

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pper Limits:7.60%

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

Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA AND FULL PROTECT CLOTHING. MAY USE WATER TO COOL CLSD CNTNRS-PREVENT PRESSURE BUILD-UP/AUTO IGNIT/EXPLOS. IRRIT VAPORS W/COMBUSTN

Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD TIGHT-MAY EXPLODE W/HEAT. ISOLATE FROM HEAT/IGNIT SOURCES. SPECIAL PRECAUTION W/APPLIC TO HOT SURFACES. OVEREXPOSURE-HEALTH HAZ-SYMPTOMS DELAYED

===== A
ccidental 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 BLDG THAT COMPLY W/OSHA 1910.106. AVOID STORAGE NEAR HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGH

TLY CLSD CNTNRS IN WELL VENT AREA

Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE.
PREVENT BREATHING OF VAPORS/SPRAY MIST. POSSIBLE ALLERGIC REACTION.
AVOID CONTACT WITH EYES AND SKIN. DO NOT INGEST. DO NOT HANDLE
UNTIL MFR SAFETY PRECAUTIONS ARE READ AND UNDERSTOOD.

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

Respiratory Protection:RESP FOR ORGANIC VAPOR ENVIRONMENT (AIR
PURIFYING-FRESH AIR SUPPLIED). OBSERVE OSHA REG. PROVIDE VE
NT-KEEP
EXPOS LEVELS BELOW PEL. VAPOR PARTIC RESP (TC23C NIOSH/MSHA) WHERE
DEMONSTRATED THAT VAPOR LEVELS BELOW TEN TIMES APPLIC EXPOS LIMITS
Ventilation:UTILIZE EXHST VENT TO KEEP AIRBORNE CONC OF
SOLVENT/HDI/POLYISOCYANATES BELOW RESPECTIVE TLV'S. RMV ALL IGNIT
SOURCES

Protective Gloves:COTTON-NEOPRENE-RUBBER-POLYETHYLENE
Eye Protection:SPLSH GUARD/SIDE-FACE SHIELD/CHEM GOGGLE
Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING
IS RECOMMENDED. 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

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

HCC:F2
Boiling Pt:B.P. Text:260-338F
Vapor Density:> THAN AIR
Spec Gravity:1.08043
Evaporation Rate & Reference:0.15 X N-BUTYL ACETATE
Solubility in Water:INSOLUBLE
Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR
Percent Volatiles by Volume:30.1

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

Stability Indicator/Materials to Avoid:YES
WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS AND SURFACE
ACTIVE MATERIALS.
Stability Condition to Avoid:CONTACT WITH MOISTURE, MATERIAL WHICH
REACT WITH ISOCYANATES AND HIGH TEMPERATURES.
Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON
MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN AND
HDI

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===== Disp

osal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/FEDERAL-STATE-LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE-DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINER S. EPA HAZARDOUS WASTE NUMBER/CODE: D001-F003-F005

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