

DEFT, INC -- CAT, MIL-C-85285B, 26231, P/C 04GY008CAT -- 8010-01-293-3017

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

Product ID:CAT, MIL-C-85285B, 26231, P/C 04GY008CAT

MSDS Date:03/16/1992

FSC:8010

NIIN:01-293-3017

Kit Part:Y

MSDS Number: BTJPP

=== Responsible Party ===

Company Name:DEFT, INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergency P

hone Num:800-424-9300 CHEMTREC

Preparer's Name:MIKE SMITH

CAGE:5M511

=== 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

Company Name:DEFT, INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:714-474-0400

CAGE:5M511

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

Ingred Name:ALIPHATIC ISOCYANATE (VAPOR PRESSURE 0 MM HG)

CAS:28182-81-

2

RTECS #:NQ9170000
Fraction by Wt: 75%
Other REC Limits:NONE SPECIFIED

Ingred Name:HEXAMETHYLENE DIISOCYANATE (HDI) FREE MONOMER CONTENT LESS THAN 0.5% (TIME OF MFR), AFTER 3-6 MO, MAY RISE TO 1.6% MAX.

CAS:822-06-0
RTECS #:MO1740000
Fraction by Wt: 0.5-1.6%
Other REC Limits:MOBAY: 0.02 PPM CEIL
ACGIH TLV:0.005 PPM TWA
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHYL ISOBUTYL KETONE (SARA III) (VAPOR PRESSURE 15 MM HG @ 68F)

CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 14.45%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM; STEL 75 PPM
ACGIH TLV:50 PPM; STEL 75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (VAPOR PRESSURE 0.7 MM HG @ 68F)

CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 10%
Other REC Limits:50 PPM; STEL 100 PPM

Ingred Name:VOC: 260 G/L

RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

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

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ports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:RESP TRACT IRRIT
(HEADACHE,DIZZY,STAGGER,CONFUSION,UNCONSCIOUS,COMA). SKIN:
ISOCYANATES REACT W/SKIN PROTEIN & MOISTURE.IRRIT
(SWELL,RED,RASH).ABSORPTN:IRRIT (DRY,DEFAT,SKIN CRACK). EYES:IRRIT
(TEAR,RED,SWELL W/STING). INGEST:IRRIT, CORROSIVE IN GI
TRACT.VOMITING MAY CAUSE ASPIRATION,RESULTING IN CHEM PNEUMONITIS
Effects of Overexposure:ACUTE: VAPORS ARE IRRITATING TO EYES, NOSE, &

THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING &
UNCONSCIOUSNESS. CHRONIC: AS RESULT OF PREVIOUS REPEATED
OVEREXPOSURE OR SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL
DEVELOP ISOCYANATE SENSITIZATION (REACT TO LATER EXPOSURE OF
ISOCYANATE LEVELS BELOW TLV).

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

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===== First Aid Measures =====
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First Aid:INHAL:MOVE TO FRESH AIR.RESTORE BREATHING.ASTHMATIC TYPE
SYMPTOMS MAY DEVELOP (IMMEDIATE/DELAYED BY SEVERAL HRS).GET MEDICAL
AID. SKIN:REMOVE CONTAMINATED CLOTHING.WASH AFFECTED AREAS W/SOAP &
WATER.W ASH CONTAMINATED CLOTHING BEFORE REUSE.EYES:FLUSH
W/LUKEWARM WATER (LOW PRESSURE) 15 MIN,LIFT EYELIDS.GET MED AID.
INGEST:DON'T INDUCE VOMITING.DON'T GIVE ANYTHING TO UNCONSCIOUS
PERSON.GET MED AID.

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===== Fire Fighting Measures =====
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Flash Point Method:TCC

Flash Point:60.0F,15.6C

Lower Limits:1.05

Upper Limits:8.00

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

Fire Fighting Procedures:USE FULL PROTECT CLOTH/FIREFIGHT EQUIP W/SCBA.
WATER MAY BE USED TO COOL CLSD CNTNRS (PREVENT PRESS
BLDUP/AUTOIGNIT/EXPLOS). HDI/IRRIT VAPOR GENERATED BY FIRE.

Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD. KEEP FROM HEAT/IGNIT
SOURCE. CLSD CNTNR MAY EXPLODE W/HEAT. APPLIC TO

HOT SURFACE REQ

SPECIAL PRECAUTION. OVEREXPOSURE TO DECOMP PROD-HLTH HZD.

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

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

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

Handling and Storage Precautions:STORE IN BLDG IN COMPLY W/O SHA

1910.106,IN TIGHT CLOSD CNTNR IN VENTD AREA.AVOID STORING NEAR HIGH TEMP/IGNIT SOURCE.PREVENT PROLONGED VAPOR BREATHING

Other Precautions:KEEP CONTAINERS TIGHT & UPRIGHT (PREVENT LEAK). PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT INGEST. DO NOT HANDLE TILL MFR'S PRECAUTIONS READ OR UNDERSTOOD. SMOKE IN SMOKING AREAS ONLY.

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

Respiratory Protection:RESPIRATOR RECOMMENDED FOR USE IN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/AIR SUPPLIED).OBEY OSHA REGS FOR RESPIRATOR. VENT TO PROVIDE TO KEEP EXPSOURE LEVELS BELOW OSHA LIMITS. VAPOR PARTIC RESPIRATOR (TC23C) WHERE BELOW 10 TIMES TLV/PEL.

Ventilation:EXHAUST VENT TO KEEP AIRBORNE CONCENTRATION OF SOLVENT, HDI & POLYISOCYANATES BELOW TLV. REMOVE IGNITION SOURCES.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:FACE/SIDE SHLD,SPLASH GUARD,CHEM GOGGLES

Other Prot

ective 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.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:241 TO 338F

Vapor Density:> AIR

Spec Gravity:1.03962

Evaporation Rate & Reference:0.83 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AM

BER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:30.4

===== 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.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE W/FEDERAL, STATE, & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. EPA HZD CODE:D001,F003,F005.

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