

DEFT, INC -- CAT, MIL-C-85285B, 17925 PC03W127ACAT -- 8010-01-265-9143

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

Product ID:CAT, MIL-C-85285B, 17925 PC03W127ACAT

MSDS Date:06/30/1992

FSC:8010

NIIN:01-265-9143

Kit Part:Y

MSDS Number: BQGTN

=== 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

Emergency Phon

e Num:800-424-9300(CHEMTREC)

Preparer's Name:NORM GAUL

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 (HEXAMETHYLENE DIISOCYANATE [HDI]) CAS

NO 822-06-0, FREE MONOMER < 0.5%
CAS:28182-81-2
RTECS #:NQ9170000
Fraction by Wt: 45%
Other REC Limits:MOBAY-0.02 CEIL PPM
ACGIH TLV:TWA 0.005 PPM

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313) (VP: 15 MMGH @ 68F)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CYCLOHEXANONE (VP: 3.4 MMGH @ 68F)
CAS:108-94-1
RTECS #:GW1050000
Fraction by Wt: 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9293
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: 10%
Other REC Limits:TWA 50 PPM/STEL 100

Ingred Name:VOC: 560 (GRAMS/LITER)
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

==== Hazards Identification =====

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

y:NTP:NO IARC:NO OSHA:NO

Health 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 DEVELOP ISOCYANATE SENSITIZATION CAUSING A REACTION TO LATER EXPOS OF ISOCYANATE LEVELS WELL BELOW TLV VALUE OF ISOCYANATES

Effects of Overexposure:INHAL: IRRIT-RESP TRACT/ACUTE NERV SYS DEPRESS W/HEADACHE/DIZZY/STAG GA

IT/CONFUSION/UNCONSCIOUS/COMA. SKIN: IRRIT

W/SWELL-RED-RASH. ABSORP: IRRIT/DRYING/DEFAT. EYE:

LIQ/AREOSOLS/VAPORS-IRRIT W/TEAR/RE D/SWELL W/STING SENSATION.

INGEST: IRRIT. CORROSIVE IN MOUTH/STOMACH TISSUE/DIGEST TRACT.

VOMIT ASPIR-CHEM PNEUMONITIS

Medical Cond Aggravated by Exposure:ASHTMA 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 DEVELOP AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL

HOURS. GET MED ATTN. SKIN: REMOVE CONTAMINATED CLOTHING AND

THOROUGHLY WASH BEFORE REUSE. WASH WITH SOAP AND WATER. EYE: FLUSH

WITH WATER (LOW PRESS) 15 MINS, LIFTING LIDS. GET MED ATTN. INGEST:

DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO UNCONSCIOUS PERSON.

GET MED ATTN.

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

Flas

h Point Method:TCC

Flash Point:60.0F,15.6C

Lower Limits:1.05%

Upper Limits:9.40%

Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA-FULL PROTECT

CLOTHING. COOL CLSD CNTNRS W/WTR-PREVENT PRESS BLD-UP/AUTO

IGNIT/EXPLOS. HDI VAPOR GENERATED W/COMBUSTN-THERMAL DECOMP

Unusual Fire/Explosion Hazard:KEEP CNTRS CLSD TIGHT. ISOLATE FROM HEAT/

SPARKS/ELECT EQUIP/OPEN FLAME. EXPLODE W/EXTREME HEAT. SPEC

P

RECAUTN W/ APPLIC TO HOT SURFACES. HEALTH HAZ/SYMP DELAYE

===== 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 BLDG DESIGNED TO COMPLY W/OSHA 1

910.106. AVOID STORAGE BY HIGH TEMP/FIRE/OPEN FLAME/SPARK SRC. STORE IN TIGHT CLSD CNTNRS AND WELL VENT AREAS

Other Precautions:KEEP CONTAINER TIGHT/UPRIGHT-PREVENT LEAK. PREVENT PROLONGED BREATHING OF VAPORS/SPRAY MIST. PROLONGED OVEREXPOSE-POSS ALLERGIC REACT. AVOID CONTACT W/SKIN-EYES. DONT INGEST. DONT HANDLE UNTIL MFR SFT Y PRECAUTIONS HAVE BEEN READ/UNDERSTOOD.

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

Respiratory Protection:USE ORGANIC VAPOR ENVIRON RESP (AIR PURIFY/FRESH

AIR SUPPLD). SEE OSHA REG-RESP USE. VENT TO KEEP EXPOS LEVELS BELOW PEL. AIR SUPPLD RESP RECOMM. VAPOR PARTIC RESP (TC23C NIOSH/MSHA) APPROP W/VAPOR LE VELS BELOW TEN TIMES APPLIC EXPOS LIMITS

Ventilation:EXHST VENT SUFFIC TO KEEP AIRBORNE CONC BELOW TLV'S MUST BE UTILIZED. RMV ALL IGNIT SRCS-HEAT/SPARKS/FLAME/HOT SURFACES

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLSH GUARD/SIDE-FACE SHIELD/CHEM GOGGLE

Other Protective E

quipment: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

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

HCC:F5

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

Vapor Density:> THAN AIR

Spec Gravity:0.96879

Evaporation Rate & Reference:0.75 X N BUTYL ACETATE

Solubility in Water:IN

SOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:63.3

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH MOISTURE, MATERIAL WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

Stability Condition to Avoid:WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS AND SURFACE ACTIVE 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:DISPOSE IN ACCORDANCE WITH FEDERAL-STATE-LOCAL ENVIRONMENTAL CONTROL REGULATIONS. HANDLE EMPTY CONTAINERS WITH CARE, DUE TO PRODUCT RESIDUE/FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. EPA HAZARDOUS WASTE NUMBER/CODE: D001-F003-F005.

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

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.