

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-85285B, 37038, TYPE II (04BK 004 CAT) --  
8010-01-293-8260

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

Product ID:CAT, MIL-C-85285B, 37038, TYPE II (04BK 004 CAT)

MSDS Date:12/31/1992

FSC:8010

NIIN:01-293-8260

Kit Part:Y

MSDS Number: BYYFS

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:927

14-6205

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:714-474-0400/800-424-9300 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

CAS:4035-89-6

Fraction by Wt: 65%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT EST.

ACGIH TLV:N

OT EST.

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

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (VP = 0.7 @ 68F)  
CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 10%  
Other REC Limits:50 PPM/STEL 100

Ingred Name:HEXAMETHYLENE DIISOCYANATE (CERCLA) FREE MONOMER CONTENT  
3-6 MO. FREE MONOM  
ER MAY RISE\*  
CAS:822-06-0  
RTECS #:MO1740000  
Other REC Limits:MILES - 0.02PPM CEIL  
OSHA PEL:NK \*TO MAX 1.6%.  
ACGIH TLV:0.005 PPM; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:VOC = 353 G/L  
RTECS #:9999999VO  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT EST.  
ACGIH TLV:NOT EST.

===== 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:ACU

TE: VAPORS IRRIT EYES/NOSE/THROAT.

INHAL: IRRIT, ACUTE NS DEPRESSION. CHRONIC: DEFATTING W/PROLONGED CONTACT. INGEST: IRRIT. POS CHEM PNEUMONITIS W/ASPIRATION RESULT OF PREVIOUS REPEATED OVEREXPOS/ SINGLE LG DOSE, SOME PEOPLE WILL DEVELOP ISOCYANATE SENSITIZATION, WHICH CAUSES THEM REACT TO LATER EXPOSURE OF \*\*

Effects of Overexposure:INHAL: HEADACHE, DIZZINESS, STAGGERING GATE, CONFUSION, UNCONSC OR COMA, DIFFICULT BREATHING, ASTHMA. SKIN: SENSITIZATION, OTHER ALLERG

IC RESPONSES, SWELLING, REDNESS, RASH.

EYES: TEARING, REDNESS, SW ELLING W/STINGING SENSATION.

Medical Cond Aggravated by Exposure:ASTHMA & ANY OTHER RESP DISORDERS.

SKIN: ALLERGIES, EXCEMA, DERMATITIS. ISOCYANATE SENSITIZATION.

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

First Aid:INHAL: GET FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPICAL SYMPTOMS MAY DEVELOP, MAY BE IMMED OR DELAYED BY SEVERAL HRS. GET MED AID. SKIN: REMOVE CONTAM CLOTHES. WASH THOROU

GHLY W/SOAP &

WATER. EYES: FLUSH W/CLEAN LUKE WARM WATER (LOW PRESSURE) AT LEAST 15 MIN, LIFTING LIDS. GET MED AID. INGEST: DON'T INDUCE VOMITING.

DON'T GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC

Flash Point:60.0F,15.6C

Lower Limits:1.05

Upper Limits:8.0

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

Fire Fighting Procedures

:FULL FIRE FIGHT EQUIP W/SCBA, FULL PROTECT

CLOTHES. USE H2O TO COOL CLOSED CNTNRS/PREVENT PRESSURE BUILD-UP/AUTOIGNITE/EXPLOSION. HDI/IRRIT VAPORS GENERATED.

Unusual Fire/Explosion Hazard:KEEP CLOSED TIGHT. CLOSED CNTNR MAY

EXPLODE W/EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES

SPECIAL PRECAUTIONS. POS HEALTH HAZ W/OVEREXPOSURE DECOMP PRODS

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

Spill Release Procedures:EVACUATE NONESSENTIAL PERSONNEL. REMOVE

ALL  
IGNITION SOURCES. VENT. AREA. CONTAIN/REMOVE W/INERT ABSORBENT &  
NONSPARKING TOOLS.

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

Handling and Storage Precautions:STORE IN BUILDING COMPLYING W/OSHA  
1910.106. AVOID STORING NEAR HI TEMP/FIRE/OPEN FLAME/SPARK SOURCES.  
STORE IN TIGHT CLOSED CNTNR/WELL VENTED AREA.

Other Precautions:KEEP CNTNR TIGHT/UPRIGHT TO PREVENT LEAKAGE. PREVENT  
PROLONGED BREATHING VAPOR/SPRAY MISTS. POS ALLERGIC REACTION  
W/P  
ROLONGED OVEREXPOSURE. AVOID SKIN/EYE CONTACT. DON'T TAKE  
INTERNALLY. DON'T HANDLE TIL READ/UNDERSTAND MFG PRECAUTIONS.

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

Respiratory Protection:ORGANIC VAPOR RESPIRATR (AIR PURIFYING/FRESH  
AIR) OBSERVE OSHA REGS (RESPIRATR USE). PROVIDE VENT (KEEP EXPOSURE  
LEVELS