

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-85285B 17925, P/C 03W127ACAT --
8010-01-285-3035

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

Product ID:CAT, MIL-C-85285B 17925, P/C 03W127ACAT

MSDS Date:08/19/1993

FSC:8010

NIIN:01-285-3035

Kit Part:Y

MSDS Number: BSSDT

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

|

Info Phone Num:949-474-9499

Emergency Phone Num:949-474-9499

Preparer's Name:NORM GAUL

CAGE:KO194

=== Contractor Identification ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

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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 ISOCY

ANATE (HEXAMETHYLENE DIISOCYANATE [HDI])

822-06-0; FREE MONOMER >0.5% RESIN SOLID, AFTER 3-6 MO, MAX 1.6%)

CAS:28182-81-2

Fraction by Wt: 45%

Other REC Limits:MOBAY: CEIL 0.02 PPM

ACGIH TLV:TWA 0.005 PPM

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

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 25%

Other REC Limits:NONE SPECIFIED

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:CYCLOHEXANON

E (SARA III) (VAPOR PRESSURE 3.4 MM HG @ 68F)

CAS:108-94-1

RTECS #:GW1050000

Fraction by Wt: 25%

Other REC Limits:NONE SPECIFIED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (VAPOR PRESSURE .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: 560 G/L (ACTUAL VOC DETERMINED PER EPA REFERENCE METHOD 24)

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL: RESP TRACT IRRIT, ACUTE NERVOUS
SYS DEPRESSN (HEADACHE, DIZZY, STAGGERING, CONFUSION, UNCONSCIOUS,
COMA). SKIN: IRRIT (SWELL, RED, RASH). ABSORPTION: IRRIT, DRYING,
DEFATTING (CRACKING). EYE: IRRIT (TEARING, RED, SWELL W/STING).
INGEST: IRRIT, CORROSIVE IN GI TRACT.

VOMITING MAY CAUSE

ASPIRATION-CHEM PNEUMONITIS

Effects of Overexposure:ACUTE: VAPORS IRRITATING TO EYES, NOSE, THROAT.
INHALATION MAY CAUSE HEADACHE, DIFFICULT BREATHING,
UNCONSCIOUSNESS.

CHRONIC:PREVIOUS REP EATED OVEREXPOSURE/SINGLE LARGE
DOSE--ISOCYANATE SENSITIZATION WHICH CAN CAUSE REACTION TO LATER
LOW LEVELS OF EXPOSURE.

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

SENSITIZATION.

=====
First Aid Measures
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First Aid:INHALATION: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC
TYPE SYMPTOMS MAY DEVELOP (IMMED/DELAYED). GET MED AID. SKIN:
REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS W/SOAP & WATER.
WASH CONTAMI NATED CLOTHING BEFORE REUSE. EYES: FLUSH W/LUKEWARM
WATER (LOW PRESSURE) 15 MIN, LIFTING EYELIDS. GET MED AID.
INGESTION: DO NOT INDUCE VOMITING. NOTHING BY MOUTH 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:9.40

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 AND REMOVE WITH INERT ABSORBENT AND
NON-SPARKING TOOLS.

===== Handling and Storage ==
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Handling and Storage Precautions:STORE IN BLDGS IN COMPLY W/OSHA
1910.106. AVOID STORING NEAR HIGH TEMPERATURES/OTHER IGNIT SOURCES.
STORE IN TIGHTLY CLOSED CONTAINERS IN VENTED AREAS

Other Precautions:KEEP CONTAINER TIGHT & UPRIGHT (PREVENT LEAK).
PREVENT PROLONGED BREATHING OF VAPOR. PROLONGED OVEREXPOSURE MAY
CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DON'T
INGEST. DO NOT HANDLE TIL L SAFETY PRECAUTIONS READ & UNDERSTOOD.

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Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR RECOMMENDED FOR USE IN ORGANIC VAPOR
ENVIRONMENT (AIR PURIFYING/AIR SUPPLIED). OBSERVE OSHA REGS FOR
RESPIRATOR USE. VENT TO KEEP BELOW TLV/PEL. AIR SUPPLIED RSPRTR
RECOMMENDED. VAPOR PARTI C RSPRTR (TC23C) WHEN 10X BELOW TLV/PEL.

Ventilation:EXHAUST VENT TO KEEP CONCENTRATIONS BELOW TLV'S. REMOVE ALL
IGNITION SOURCES (HEAT, SPARKS, FLAME, HOT SURFACES).

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:SPLASH GUARDS, SIDE/FACE SHIELD, GOGGLES

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

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

HCC:F2

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

Vapor Density:> AIR

Spec Gra

vity:0.97479

Evaporation Rate & Reference:0.75 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:63.7

===== 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 & HIGH TEMPERATURES

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azardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN AND HDI.

Conditions to Avoid Polymerization:CONTACT WITH MOISTURE, MATERIALS WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURES

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORD W/FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. HANDLE EMPTY CONTAINERS W/CARE (PRODUCT RESIDUE/FLAMMABLE VAPOR). DO NOT INCINERATE CLOSED CONTAINERS. EPA HAZ ARDOUS WASTE #: D001, F003, F005, IGNITABLE.

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