

DEFT INC CHEMICAL COATING DIV -- CAT-MIL-C-05285B, ALIPHATIC ISOCYANATE 17925, TYPE I --
8010-01-285-3035

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

Product ID:CAT-MIL-C-05285B, ALIPHATIC ISOCYANATE 17925, TYPE I

MSDS Date:06/30/1992

FSC:8010

NIIN:01-285-3035

Kit Part:Y

MSDS Number: BJXBG

=== 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 POLYISOCYANATE, HEXAMETHYLENE DIISOCYANATE
POLYMER (HDI POLYMER)

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by

Wt: 45%
Other REC Limits:1 MG/CUM

Ingred Name:HEXAMETHYLENE DIISOCYANATE
CAS:822-06-0
RTECS #:MO1740000
Fraction by Wt: < 0.5%
ACGIH TLV:.005 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEXONE, METHYL ISOBUTYL KETONE (MIBK), 4-METHYL-2-PENTANONE
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 25%
Other REC Limits:50 PPM
OSHA PEL:410 MG/CUM
ACGIH TLV:205 MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CYCLOHEXANONE, KETOHEXAMETHYLENE
CAS:108-94-1
RTECS #:GW1050000
Fraction by Wt: 25%
Other REC Limits:100PPM (SKIN) STEL
OSHA PEL:50 PPM
ACGIH TLV:100 MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE
CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 10%

Ingred Name:VOL ORGANIC CMPD: 560 G/L
RTECS #:9999999VO

Ingred Name:WEIGHT PER GALLON IN POUNDS: 8.07 LBS
RTECS #:9999999WG

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:N

O IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: IRRITATION, DEFATTING, ABSORPTION. INHALATION: RESPIRATORY TRACT/NOSE/THROAT IRRITATION, NERVOUS SYSTEM DEPRESSION. INGESTION: IRRITATION, CORROSIVE TO DIGESTIVE TRACT, ASPIRAT ION HAZARD. CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSITIZATION FROM OVEREXPOSURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUS

NESS, COMA, DIFFICULTY BREATHING. SKIN:

SWELLING, REDNESS, RASH, CRACKING, DRYNESS. EYES: TEARING, REDNESS, SWEELING, STINGING S ENSATION. INGESTION: VOMITING.

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

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

First Aid:INHALATION: MOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY.

SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA W/SOAP & WATE

R. EYES: FLUSH W/CLEAN LUKEWARM WATER FOR 15 MINUTES.

INGESTION: DON'T INDUCE VOMITING. DON'T GIVE FLUIDS TO UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point Method:TCC

Flash Point:60F

Lower Limits:1.05%

Upper Limits:9.4%

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

Fire Fighting Procedures:WEAR SCBA FULL PROTECTIVE CLOTHING. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD

UP/EXPLOSION.

UP/EXPLOSION.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.

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

Spill Release Procedures:EVACUATE AREA. REMOVE IGNITION SOURCES.

VENTILATE AREA. CONTAIN & REMOVE W/INERT ABSORBANT & NON-SPARKING TOOLS.

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

Handling and St

Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY
W/OSHA. AVOID HIGH TEMPERATURES, FIRE, OPEN FLAMES, SPARK SOURCES.
STORE IN A TIGHTLY CLOSED CONTAINER.

Other Precautions:STORE IN VENTILATED AREA. KEEP CONTAINERS
TIGHT/UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED BREATHING OF
VAPORS/SPRAY MIST. AVOID CONTACT W/SKIN/EYES. DON'T TAKE
INTERNALLY.

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

Respiratory Protection:APPROVED RESPIRATOR FOR ORGANIC V
APORS,

(AIR/PURIFY/FRESH AIR) VAPOR PARTICULATE RESPIRATOR MAY BE
APPROPRIATE WHERE AIR MONITORING DEMONSTRATES VAPOR LEVELS < 10
TIMES THE LIMITS.

Ventilation:EXHAUST TO KEEP AIRBORNE CONCENTRATIONS OF SOLVENT BELOW
LIMITS.

Protective Gloves:COTTON, NITROPRENE, RUBBER, POLYETHYLENE

Eye Protection:SAFETY GLASSES W/SIDE SHIELD/FACE SHIELD

Other Protective Equipment:LONG SLEEVE/LEG CLOTHING. GOGGLES.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE. WAS

WASH HANDS BEFORE EATING, SMOKING, OR USING WASHROOM.

Supplemental Safety and Health

LIQUID DENSITY: 1

Spec Gravity:0.96879

Evaporation Rate & Reference:(N-BUTYL AC= 1): 0.75

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID W/SOLVENT ODOR

Percent Volatiles by Volume:63.3

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS & SURFACE ACTIVE
MATERIALS

Stability Condi

tions to Avoid:MOISTURE, MATERIAL THAT REACT
W/ISOCYANATES & HIGH TEMPERATURES

Hazardous Decomposition Products:CO, CO₂, OXIDES OF NITROGEN & TRACES
OF HYDROGEN CYANIDE & HEXAMETHYLENE DIISOCYANIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, &
FEDERAL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE
TO PRODUCT RESIDUE & FLAMMABLE VAPOR DON'T INCINERATE IN CLOSED
CONTAINERS. FLAMMAB

LE LIQUI D UN 1263.

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