

DEFT INC CHEMICAL COATING DIV -- 03GY277 CAT, MIL-C-85285B,16473,TYPE I -- 8010-01-336-3033

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Product Identification
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Product ID:03GY277 CAT, MIL-C-85285B,16473,TYPE I

MSDS Date:06/30/1993

FSC:8010

NIIN:01-336-3033

MSDS Number: CCGNM

=== 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

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Composition/Information on Ingredients
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Ingred Name:1,6-HEXAMETHYLENE DIISOCYANATE

CAS:4035-89-6

RTECS #:NR0195000

Fraction by Wt: 45%

Ingred Name:HEXAMETHYLENE DIISOCYANATE

CAS:822-06-0

RTECS #:MO1740000

Fractio

n by Wt: 0.5-1.6%
ACGIH TLV:0.005 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEXONE, METHYL ISOBUTYL KETONE (MIBK), 4-METHYL-2-PENTANONE
* 96-3 *

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:5
000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE, PROPANOIC ACID, 3-ETHOXY-, ETHYL
ESTER *96-3*

CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 5%

Ingred Name:VOLATILE ORGANIC CONTENT: 552 GM/L
RTECS #:9999999VO

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: IRRITATION TO RESPIRATORY
TRACT & C

NS DEPRESSION. SKIN/EYES: IRRITATION. INGESTION:
IRRITATION & POSSIBLE CORROSIVE ACTION IN MOUTH, STOMACH TISSUE &
DIGESTIVE TRACT. VOMITING CAN CAUSE ASPIRATION OF THE SOLVENT,
RESULTING IN CHEMICAL PNEUMONITIS. (SEE SUPP)

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, STAGGERING
GAIT, CONFUSION, UNCONSCIOUSNESS, COMA, SWELLING, REDNESS, RASH,
TEARING, STINGING, DRYING, CRACKING, DEFATTING, DIFFICULTY
BREATHING.

Medical Cond

Aggravated by Exposure:ASTHMA & OTHER RESPIRATORY
DISORDERS, SKIN ALLERGIES, ECZEMA, DERMATITIS, ISOCYANATE
SENSITIZATION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. SKIN:
WASH THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/CLEAN LUKEWARM WATER
FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING
TO AN UN CONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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===== 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,
WATER SPRAY.

Fire Fighting Procedures:WEAR SCBA W/FULL PROTECTIVE CLOTHING. WATER
MAY BE USED TO COOL CLOSED CONTAINERS. (SEE SUPP)

Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE
FROM HEAT & OTHER IGNITION SOURCES. CLOSED CONTAINERS MAY EXPLODE
WHEN EXPOSED TO EX
TREME HEAT.

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

Spill Release Procedures:EVACUATE & VENTILATE AREA. REMOVE IGNITION
SOURCES. CONTAIN & REMOVE W/INERT ABSORBENT & NON-SPARKING TOOLS.

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

Handling and Storage Precautions:AVOID STORING NEAR HIGH TEMP, FIRE &
OTHER IGNITION SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS & IN
WELL VENTILATED AREAS.

Other Precautions:KEEP CONTAINERS TIGHTLY & U

PRIGHT TO PREVENT LEAKAGE.

AVOID BREATHING & CONTACT W/SKIN & EYES. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTIONS. WASH THOROUGHLY BEFORE EATING, DRINKING/USING RESTROOMS. SMOKE IN SMOKING AREAS ONLY.

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

Respiratory Protection: A AIR PURIFYING/FRESH AIR SUPPLIED RESPIRATOR. A VAPOR PARTICULATE RESPIRATOR MAY BE APPROPRIATE WHERE AIR MONITORING DEMONSTRATES VAPOR LEVELS BELOW TEN TIMES THE APPLICABLE

EXPOSURE LIMITS.

Ventilation: EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLVS.

Protective Gloves: COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection: SAFETY EYEWEAR W/SPLASH GUARDS

Other Protective Equipment: SAFETY EYEWEAR W/SIDE SHIELDS, CHEMICAL GOGGLES/FACE SHIELDS, LONG SLEEVE & LONG LEG CLOTHING.

Work Hygienic Practices: REMOVE/LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY BEFORE EATING, DRINKING/USING RESTROOMS.

Supplemental Safety and Health

SPECIAL FIRE CONT'D: DURING A FIRE HEXAMETHYLENE DIISOCYANIDE VAPORS/OTHER IRRITATING VAPORS MAY BE GENERATED BY COMBUSTION/THERMAL DECOMPOSITION. HEALTH HAZARDS CONT'D: OVEREXPOSURE IN CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSITIZATION.

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

HCC: F2

Boiling Pt: B.P. Text: 241-428F

Vapor Density: >1

Spec Gravity: 0.96879

Evaporation Rate & Reference: (N-BU AC =1): 0.76

Solubility in Water: INSOL

UBLE

Appearance and Odor: AMBER LIQUID W/SOLVENT ODOR.

Percent Volatiles by Volume: 62.8

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

Stability Indicator/Materials to Avoid: YES

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

Stability Condition to Avoid: HEAT, ELECTRICAL EQUIPMENT, OPEN FLAMES, HOT SURFACES, MOISTURE

Hazardous Decomposition Products: HIGH HEAT/TEMP: CO, CO₂, OXIDES OF NITROGEN, TRACES OF HYDROGEN CYANIDE, HEXAMET

HYLENE DIISOCYANIDE.

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

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPORS. DON'T INCINERATE CLOSED CONTAINERS. EPA CODES: D001, F003, F005.

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