

DEFT INC/CHEMICAL COATING DIV -- 03R064CAT,MIL-C-85285B,11136,TYPE I -- 8010-01-265-9139

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

Product ID:03R064CAT,MIL-C-85285B,11136,TYPE I

MSDS Date:08/20/1993

FSC:8010

NIIN:01-265-9139

MSDS Number: CCGMM

=== 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:714-474-0400

Preparer's Name:NORM GAUL

CAGE:FO129

=== Contractor Identification ===

Company Name:DEFT INC/CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:714-474-0400

CAGE:FO129

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:TOLUENE (IARC CARC- GROUP 3)

96-1

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 15%

Other REC Limits:375 MG/CUM

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Fraction by Wt: 0.5%

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

CAS:108-10-1

RTEC

S #:SA9275000

Fraction by Wt: 40%

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:VOLATILE ORGANIC CONTENT: 502 G/L

RTECS #:9999999VO

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

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: IRRITATION OF RESPIRATORY
TRACT & NERVOUS SYSTEM DEPRESSION. SKIN

: IRRITATION, ISOCYANATES

REACT W/PROTEIN & MOISTURE. EYES: IRRITATION. INGESTION: IRRITATION. OVEREXPOSURE/SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSITIZATION.

Explanation of Carcinogenicity:NONE

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

Medical Cond Aggravated by Exposure:ASTHMA & OTHER RESPIRATORY

DISORDERS, SKIN ALLERGIES, ECZEMA, DERMATITIS. ISOCYANATE SENSITIZATION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP & MAY BE IMMEDIATE/DELAYED BY SEVERAL HOURS. SKIN: WASH THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/CLEAN LUKEWARM WATER (LOW PRESSURE) FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN

MEDICAL ATTENTION IN ALL CASES.

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

Flash Point Method:TCC

Flash Point:45F

Lower Limits:1

Upper Limits:8

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, WATER SPRAY.

Fire Fighting Procedures:WEAR SCBA W/FULL PROTECTIVE CLOTHING. USE WATER TO COOL CONTAINERS.

Unusual Fire/Explosion Hazard:APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.

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

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

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

Handling and Storage Precautions:STORE IN BUILDING DESIGNED TO COMPLY W/OSHA. AVOID HIGH TEMP. STORE IN WELL VENTILATED AREA. KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE.

Other Precautions:AVOID VAPORS/SPRAY MISTS. OVEREXPOSURES MAY CAUSE ALL

ERGIC REACTION. AVOID CONTACT W/SKIN & EYES. DON'T TAKE INTERNALLY. SMOKE IN SMOKING AREAS ONLY.

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

Respiratory Protection: AIR PURIFYING/FRESH AIR SUPPLIED RESPIRATOR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT.

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

Protective Gloves: COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection: SPLASH GUARDS/SIDE SHIELDS

Other Protective E

quipment: CHEMICAL GOGGLES/FACE SHIELDS, LONG SLEEVE & LONG LEG CLOTHING.

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY BEFORE EATING, SMOKING/USING WASHROOM.

Supplemental Safety and Health

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

Boiling Pt: B.P. Text: 230-428F

Vapor Density: >1

Spec Gravity: 0.93397

Evaporation Rate & Reference: (N-BU AC =1): 1.39

Solubility in Water: INSOLUBLE

Appearance and Odor: AMBER LIQUID W/SO

LVENT ODOR.

Percent Volatiles by Volume: 61.2

===== 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, SPARKS, ELECTRICAL EQUIPMENT, OPEN FLAME, HOT SURFACES.

Hazardous Decomposition Products: HIGH TEMP: CO, CO₂, OXIDES OF NITROGEN, TRACES OF HYDROGEN CYANIDE & HEXAMETHYLENE DIISOCYANATE.

===== Dis

posal Considerations =====

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. DON'T INCINERATE CLOSED CONTAINERS. EPA HAZARDOUS NUMBER: D001, F0 03, F005. FLAMMABLE LIQUID UN-1263.

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.