

DEFT, INC. -- MIL-PRF-85285C (MIL-C-85285B), 03GY274CAT16440 -- 8010-01-265-9151

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Product Identification
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Product ID:MIL-PRF-85285C (MIL-C-85285B), 03GY274CAT16440

MSDS Date:07/01/1999

FSC:8010

NIIN:01-265-9151

Status Code:A

MSDS Number: CLGJN

=== Responsible Party ===

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Info Phone Num:949-474

-0400

Emergency Phone Num:800-424-9300

Preparer's Name:RYAN MICKELSON

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:HEXAMETHYLENE DIISOCYANATE POLYMER

CAS:28182-81-2

RTECS #:NQ9170000

= Wt:35.

Ingred Name:HEXAMETHYLENE DIISOCYANATE

CAS:822-06-0

RTECS #:MO1740000

= Wt:40.

ACGIH TLV:0.034 MG/

M3;.005 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)
CAS:64742-95-6
RTECS #:WF3400000
< Wt:5.

Ingred Name:N-BUTYL ACETATE
CAS:123-86-4
RTECS #:AF7350000
< Wt:5.
OSHA PEL:710 MG/M3;150 PPM
ACGIH TLV:713 MG/M3;150 PPM
ACGIH STEL:950 MG/M3;200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL 3-ETHOXYPROPIONATE
CAS:763-69-9
RTECS #:UF3325000
= Wt:20.

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

Routes o

f Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE:VAPORS ARE IRRITATING TO EYES.NOSE,AND THROAT.INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC:AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURE OR A SINGLE LAR GE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP ISOCYNATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYNATE LEVELS WELL BEL
OW

THE TLV VALUE OF ISOCYNATES.

Effects of Overexposure:INHALATION:IRRITATION OF THE RESPIRATORY TRACT AND ACUTE NERVOUS SYSTEM DEPRESSION CHARECTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHES,DIZZINESS,STAGGERING GAIT,CONFUSION,UNCONSCIOUSNESS.SKIN: ISOCYNATES REACT WITH SKIN PROTEIN AND MOISTURE AND CAN CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING,REDNESS,AND RASH.EYES:LIQUID, AERESOLS,OR VAPORS ARE IRRITATING AND MAY CAUSE TEARING,REDNESS,AND SWE LLING AND

STINGING.SKIN ABSORPTION:PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DRYING,AND DEFATTING OF THE SKIN WHICH CAN CAUSE IT TO CRACK.INGESTION:ACUTE:CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH

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

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

First Aid:INHALATION: MOVE TO A
N AREA FREE FROM RISK OF FURTHER
EXPOSURE.RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP.SKIN:REMOVE CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.EYES:FLUSH WITH CLEAN LU KEWARM WATER FOR AT LEAST 15 MIN.,OCCASIONALLY LIGTING EYELIDS.OBTAIN MEDICAL ATTENTION.INGESTION:DO NOT INDUCE VOMITING.DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TC
C

Flash Point:=-24.4C, 76.F

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

Fire Fighting Procedures:FULL FIREFIGHTING EQUIPMENT WITH SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS.WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD U P, AUTO IGNITION OR EXPLSION. DURING A FIRE HDI VAPORS AND OTHER IRRITATING VAPORS MAY BE GENERATED BY COMBUSTION.

Unusual Fire/Explosion Hazard:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CODITIONS OVEREXPOSURE TO DECOMPOSTION PRODUCTS MAY CAUSE A HEALTH HAZARD.

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

Spill Release Procedures:EVACUATE ALL NON ESSENTIAL PERSONNEL.REMOVE ALL SOURCES OF IGNITION.VENTIL

ATE AREA.CONTAIN AND REMOVE WITH
INERT ABSORBENT AND NON-SPARKING TOOLS.

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

Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106.AVOID STORING NEAR HIGH TEMPERATURES,FIRE,OPEN FLAMES,AND SPARK SOURCES.STORE IN TIGHTLY CLOSED CONTAINERS.STORE IN WELL VENTILATED AREAS.

Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE.PREVENT PROLONGED BREATHING OF VAPORS OR SPRAY

MISTS.PROLONGED OVEREXPOSURE MAY CAUSE AN ALLERGIC REACTION.AVOID CONTACT WITH SKIN AND EYES.DO NOT TAKE INTERNALLY.DO NOT HANLDE UNTIL THE MSDS PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

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

Respiratory Protection:RESPIRATOR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED). VAPOR PARTICULATE RESPIRATOR IS APPROPRIATE WHERE AIR MONITORING DEMONSTRATES VAPOR L
LEVELS BELOW 10 TIMES APPLIC EXPOSURE LIMITS.

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

Protective Gloves:PROTECTIVE GLOVES (COTTON, NEOPRENE, RUBBER, POLYETHYLENE)

Eye Protection:SAFETY EYEWEAR, INCLUDING SPLASH GUARDS OR SIDE SHIELDS.

Other Protective Equipment:LONG SLEEVE AND LONG LEG CLOTHING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

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Boiling Pt:=126.7C, 260.F

Spec Gravity:1.08163

Viscosity:THIN TO HEAVY VISCOUS

Evaporation Rate & Reference: .16X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:29.9

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:CONTACT WITH MOISTURE,

MATERIAL WHICH

REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

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

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL,STATE,AND LOCAL ENVIROMENTAL CONTROL REGULATIONS.EMPTY CONTAINERS MUST BE HANDLED WITH CARE,DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR DO NOT INCIN ERATE CLOSED CONTAINERS.

===== Regulatory Information =====

State Regulatory Information:

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