View NSN Online: https://aerobasegroup.com/nsn/8010-01-265-9128

Product ID:TYPE I, ALIPHATIC ISOCYNATE MIL-PRF-85258C(85285B)

MSDS Date:10/16/1997

FSC:8010

NIIN:01-265-9128 Status Code:A

MSDS Number: CLLTH
=== 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:HENRY SIMMONS Chemtrec Ind/Phone:(800)424-9300

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 ISOCYANATE CAS:4035-89-6 RTECS #:NR0195000 = Wt:21.4

Ingred Name:ALIPHATIC ISOCYANATE

CAS:3779-63-3

= Wt:22.8

Ingred Name:C

8&10 AROMATIC HYDROCARBON CAS:64742-95-6 RTECS #:WF3400000 = Wt:1.27

Ingred Name: N-BUTYL ACETATE

CAS:123-86-4

RTECS #:AF7350000

= Wt:1.27

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: METHYL ISOBUTYL KETONE

CAS:108-10-1

RTECS #:SA9275000

= Wt:36.15

OSHA PEL:410 MG/M3;100 PPM ACGIH TLV:205 MG/M3;50 PPM ACGIH STEL:307 MG/M3;75 PPM

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: ETHYL 3-ETHOXYPROPIO

NATE

CAS:763-69-9

RTECS #:UF3325000

= Wt:17.04

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
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 HEADACHE, DIFFICULT
BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF
PREVIOUS REPEATED OVEREXPOSURE OR A SINGL E LARGE DOSE, CERTAIN

NDIVIDUALS WITH DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYANATE LEVELS BELOW THE TLV VALUE OF ISOCYANATES.

Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION. SKIN AND EYE CONTACT: ISOCYANATE REACT WITH PROTEIN AND MOISTURE AND CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING, REDN ESS, AND RASH. EYES: LIQUID, AEROSOLS OR VAPORS ARE IRRITATING AND MAY CAUSE TEARING, REDNESS,

AND SWELLING

ACCOMPANIED BY A STINGING SENSATION. SKIN ABSORPTION: PROLONGED AND REPEATED CONTACT CAN CAU SE MODERATE IRRITATION, DRYING, AND DEFATTING OF THE SKIN WHICH CAN CAUSE THE SKIN TO CRACK. INGESTION: CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND DIGESTIVE TRACT.

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

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

First Aid:INHALATION: MOVE TO AN AREA FREE FROM RISK OF FURTHER EXPOSURE. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS. OBAIN MEDICAL CONDITION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHES BEFORE REUSE. EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR AT LEAST 15 MINUTES, OCCASI

ONALLY LIFTING EYELIDS, OBTAIN MEDICAL

ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC Flash Point:=15.6C, 60.F Lower Limits:1.00% Upper Limits:8.00%

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

Fire Fighting Procedures: FULL FIRE FIGHTING EQUIPMENT WITH SELF-CONTAINED BREATHING APP

- ARATUS AND FULL PROTECTIVE CLOTHING
 SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY USED TO COOL CLOSED
 CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION OR
 EXPLOSION. 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 REQU
- IRES SPECIAL PRECAUTIONS. DURING EMERGENCY
 CONDITIONS OVEREXPOSURES TO DECOMPOSITION PRODUCTS MAY CAUSE A
 HEALTH HAZARD.

=======================================	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 INERT ABSORBENT AND NON-SPARKING TOOLS.

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- d 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 HAN

DLE UNTIL THE

MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ AND UN DERSTOOD.

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Respiratory Protection: A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USED IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OHSA REGULATIONS FOR RESPIRATOR USE. VENTILATION SHOUL D BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW OSHA PEL. AIR SUPPLIED RESPIRATOR IS RECOMMENDED. VAPOR PARTICU

LATE RESPIRATOR APPROP. WHERE VAPOR LEVELS < 10XLIMIT Ventilation: EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATION OF SOLVENT, HDI AND POLYISOCYANATE BELOW THEIR RESPECTIVE TLV'S MUST BE UTILIZED. Protective Gloves: PROTECTIVE GLOVES ARE RECOMMENDED Eye Protection: SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES OR FACE SHIELD. Other Protective Equipment: THE USE OF LONG SLEEVES AND LONG LEG CLOTHING IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING **BEFO** RE. Supplemental Safety and Health ======== Physical/Chemical Properties ============ Boiling Pt:=116.1C, 241.F B.P. Text:241-421F Vapor Density:> AIR Spec Gravity:.95438 VOC Pounds/Gallon:532 VOC Grams/Liter:7.95 Viscosity: THIN TO HEAVY MATERIAL Evaporation Rate & Dr. Reference: 92 X N-BUTYL ACETATE Solubility in Water: INSOLUBLE Appearance and Odor: AMBER LIQUID WITH SOLVENT ODOR Percent Volatiles by Volume:63.0% ======== 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 AND HIGH TEMPERATURE.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN AND HDI.

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

Waste Disposal Methods: WASTE MUST BE DISPOSED OF IN ACCORD

ANCE WITH

FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLE WITH CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS.

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

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT ACT OF 1986 AND OF

40 CFR 372. 108-1 0-1 METHYL ISOBUTYL KETONE 36.15% State Regulatory Information:

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