View NSN Online: https://aerobasegroup.com/nsn/8010-01-322-6624

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

MSDS Date:07/01/1999

FSC:8010

NIIN:01-322-6624

Status Code:A

MSDS Number: CLQNS === Responsible Party === Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE State:CA ZIP:92614 Country:U

S

Info Phone Num:949-474-0400

Emergency Phone Num:800-424-9300 Preparer's Name:ERNEST CARTER 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: ETHYL 3-ETHOXYPROPIONATE

CAS:763-69-9

RTECS #:UF3325000

= Wt:15.

Ingred Name:POLY(HEXAMETHYLENE DIISOCYANATE)

CAS:28182

-81-2 RTECS #:NQ9170000 = Wt:20.

Ingred Name: C8&10 AROMATIC HYDROCARBON

CAS:64742-95-6

Code:F

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: METHYL ISOBUTYL KETONE

CAS:108-10-1

RTECS #:SA9275000

= Wt:35.

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:VAPORS ARE IRRITATING TO EYES, NOSE, AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING AND LOSS OF CONSCIOUSNESS. AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURE OR A SINGLE LARGE DOSE, C ERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE SENSIT

IZATION WHICH WILL CAUSE THEM TO REACT TO

A LATER EXPOSURE OF ISOCYANATE LEVELS WELL BELOW THE TLV VALUE OF ISOCYANATES.

Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN: ISOCYANATES REACT WITH SKIN PROTEIN AND MOSITURE AND CAN CAUSE IRRITATION. SYMPTOMS MAY BE SWELLING, REDNESS, AND

RASH. EYES: LIQUID, AEROSOLS, OR VAPOR ARE IRRITATING
AND MAY CAUSE TEARI NG, REDNESS, AND SWELLING ACCOMPANIED BY A
STINGING SENSATION. SKIN ABSORPTION: PROLONGED OR REPEATED CONTACT
CAN CAUSE MODERATE IRRITATION DRYING, AND DEFATTING OF THE SKIN
WHICH CAN CAUSE THE SKIN T O CRACK. INGESTION: ACUTE CAN RESULT
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: RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED BY SERVERAL HOURS. OBTAIN MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS T HOROUGHLY WITH SOAP AND WATER.WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.EYES: FLUSH WITH CLEAN LUKE WARM WATER (LOW PRESSURE) FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. OBTAIN MED ICAL ATTENT

ION. 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 APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD

BE WORN BY FIRE FIGHTERS. WATER MAY BE 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 OR T

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 EMERG

ENCY CONDITIONS OVEREXPOSURE 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 WITH INERT ABSORBENT AND NON-SPARKING TOOLS.
========== Handling and Storage ===========
Handling and Storage Precautions:STORE IN BUILDI NGS DESIGNED TO COMPLY WITH OSHA 1910.106 AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES.STORE IN TIGHTLY CLOSED CONTAINERS. 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 N OT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE MANUFACTURER SAFETY PRECAUTIONS HAVE BEEN READ AND UNDER
STOOD. WASH HANDS
====== Exposure Controls/Personal Protection ========
Respiratory Protection: A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE.
Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT, HDI AND POLYISOYANATES BELOW THEIR RESPECTIVE TLV'S MUST BE UTILIZED.
Protective Gloves:PROTECT IVE GLOVES ARE RECOMMENDED (COTTON, NEOPRENE,
RUBBER, POLYETHYLENE TO PR Eye Protection:SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES OR FACE SHIELDS.
Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. Supplemental Safety and Health
========= Physical/Chemical Properties ==========
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Boiling Pt:B.P. Text:241-428 DEG F Vapor Density:HEAVIER Spec Gravity:0.95438 VOC Pounds/Gall on:532

VOC Grams/Liter:7.95

Viscosity:THIN LIQUID TO HEAVY

Evaporation Rate & Dr. Reference: 0.92 X N-BUTYL ACETATE

Solubility in Water: INSOLUBLE

Appearance and Odor: AMBER LIQUID WITH SOLVENT ODOR63.0%

======== 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 ISOCYANATESAND

HIGH TEMPERATURES.

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

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

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particular situation.