

DEFT INC -- 03BK071CAT,ALIPHATIC ISOCYANATE,WS26052(1),17038,(PART B) -- 8010-01-285-3033

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Product Identification
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Product ID:03BK071CAT,ALIPHATIC ISOCYANATE,WS26052(1),17038,(PART B)

MSDS Date:07/31/1991

FSC:8010

NIIN:01-285-3033

Kit Part:Y

MSDS Number: BYSDW

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phon

e Num:714-474-0400

Emergency Phone Num:714-474-0400,800-424-9300(CHEMTREC)

Preparer's Name:NORM GAUL

CAGE:33458

=== Contractor Identification ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:800 424-9300

CAGE:33458

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:TOLUENE (SARA 313)

) (CERCLA)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ALIPHATIC ISOCYANATE
Fraction by Wt: 50%
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)
(CERCLA)
CAS:822-06-0
RTECS #:MO1740000
Fraction by Wt: 1.6%
Other REC Limits:CEILING : 0.02 PPM
ACGIH TLV:0.005 PPM; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA 313) (CERCLA)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 40%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:50 PPM/75 STEL; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:VOLATILE ORGANIC CONTENT, V.O.C.= 485 G/L. (ACTUAL VOC
DETERMINED PER EPA REFERENCE METHOD 24.
RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE

SPECIFIED BY MANUFACTURER.

Routes of 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. INGESTION MAY CAUSE CORROSION IN MOUTH, STOMACH TISSUE, GI TRACT . CHRONIC: PREVIOUS OVEREXPOSURE MAY RESULT IN SENSITIZATION REACTIONS TO ISOCYANATE LEVELS WELL BELOW THE TLV

VALUE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION, SWELLING, STINGING SENSATION. SKIN: IRRITATION, SWELLING, RASHES. INHALATION: IRRITATION OF RESPIRATORY TRACT. CNS DEPRESSION, HEADACHES, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCON SCIOUSNESS, COMA. INGESTION: IRRITATIONAND POSSIBLE CORROSION ACTION IN MOUTH, STOMACH TISSUE, GI TRACT, AND VOMITING.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY DISORDERS, SKIN ALL

ERGIES, ECZEMA, DERMATITIS, AND ISOCYANATE SENSITIZATION.

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

First Aid:FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS M AY DEVELOP AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTH
ING TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1.00%

Upper Limits:8.00%

Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG, WATER SPRAY

Fire Fighting Procedures:WEAR FULL FIRE FIGHTING EQUIPMENT WITH SCBA AND FULL PROTECTIVE CLOTHING. USE WATER TO COOL CLOSED CONTAINERS TO PREVENT PRESS BUILD-UP,AUTO IGNITION,EXPLOSION.

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Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATIONS TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.

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

Spill Release Procedures:EVACULATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES). VENTILATE AREA. CONTAIN AND REMOVE SPILL WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106.STORE IN WELL VENTILATED AREA AWAY FROM HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES.

Other Precautions:KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT TO PREVENT LEAKAGE. SMOKE IN SMOKING AREAS ONLY. PREVENT PROLONGED BREATHING OF VAPORS OR SPRAY MISTS. AVOID CONTACT WITH SKIN AND EYES. READ AND UNDERSTAND MANUFACTURERS SAFETY PRECAUTIONS.

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

Respiratory Protection:USE RESPIRATOR APPROVED FOR ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED). IF TLV LIMITS MAINTAINED BELOW OSHA/ACGIH LIMITS, AN AIR SUPPLIED RESPIRATOR MAY NOT BE REQUIRED. HOWEVER, OTHER APPROVED RESPIRATORS MAY BE USED.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW TLV'S MUST BE USED. REMOVE ALL IGNITION SOURCES.

Protective Gloves:RECOMMENDED TO PREVENT SKIN CONTACT.

Eye Protection:SAFETY EYEWEAR W/SIDE SHIELD RECOMMENDED

Other Protective Equipment:USE LONG SLEEVE AND LONG LEG CLOTHING. SAFETY EYEWEAR SHOULD INCLUDE SIDE SHIELDS OR CHEMICAL GOGGLES, OR FACE SHIELDS.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1:F3. THIS ENTRY DESCRIBES PART B OF A TWO PART

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NSN, P/N IND E, FOR PART A DATA.

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

HCC:F3
Boiling Pt:B.P. Text:230 TO 428F
Vapor Density:>1
Spec Gravity:0.93998
Evaporation Rate & Reference:1.39 X N-BUTYL ACETATE
Solubility in Water:INSOLUBLE
Appearance and Odor:AMBER LIQUID. SOLVENT ODOR.
Percent Volatiles by Volume:51.5

===== 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 TEMPERATURES.
Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON
MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, TRACES OF HCN AND
HDI.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN
ACCORDANCE WITH LOCAL, STATE
AND FEDERAL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH
CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE
CLOSED CONTAINERS. E PA HAZARDOUS WASTE CODE:D001,F003,F005.

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