

DEFT INC -- CAT, MIL-C-85285B, 34094, 04GN020 CAT -- 8010-01-349-8494

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

Product ID:CAT, MIL-C-85285B, 34094, 04GN020 CAT

MSDS Date:03/31/1995

FSC:8010

NIIN:01-349-8494

Kit Part:Y

MSDS Number: BZSZP

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:8

00-424-9300

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

===== Composition/Information on Ingredients =====

Ingred Name:ALIPHATIC ISOCYANATE

CAS:4035-89-6

RTECS #:NR0195000

Fraction by Wt: 65.0%

Other

REC Limits:MOBAY TLV: 1 MG/M3

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (SARA 313) (VAPOR PRESSURE .7 MM HG)

CAS:763-69-9

RTECS #:UF3325000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 354 G/L

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

Ingred Name:MATHYL ISOBUTYL KETONE (VP = 15 @ 68F)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 30.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM/STEL 75

ACGIH TLV:50 PPM/STEL 75

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:ACUTE; IRRITATING TO EYES, NOSE &

THROAT. INHAL: HEADACHES, DIZZINESS, STAGGERING, DIFFICULT

BREATHING, CONFUSION, UNCONSCIOUSNESS, COMA. SKIN: IRRITATING

(SWELLING, REDNESS, RASH). EYES: IRRIT (TEARING, REDNESS, SWELLING

W/STINGING). INGEST: IRRITATION, CORROSIVE TO GI

TRACT. ASPIRATION

(VOMITING, CHEMICAL PNEUMONITIS

Effects of Overexposure:INHAL: DIFFICULT BREATHING, HEADACHE,

DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, COMA. SKIN:

IRRIT (SWELLING/REDNESS/RASH). EYES: REDNESS, TEARING, SWELLING

W/STINGING. SKIN: SWELL/REDNES S/RASH. PROLONG/REPEAT--MOD IRRIT,

DRYING, SKIN CRACKING. INGEST: VOMIT. IRRIT. CORROSIVE TO

MOUTH/STOMACH/DIGEST TRACT.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY DISORDE

RS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

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

First Aid:INHALE-MOVE TO AN AREA FREE FROM RISK OF FUTHER EXPOSURE. RESTORE BREATHING. OBTAIN MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP & WATER. EYES-FLUSH W ITH CLEAN LUKEWARM WATER (LOW PRESSURE)FOR AT LEAST 15 MIN. GET MED AID. INGEST: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING TO UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC

Flash Point:60.0F,15.6C

Lower Limits:1.0

Upper Limits:8.0

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

Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA & FULL PROTECT CLOTH. USE WATER TO COOL CLOSED CNTNRS/PREVENT PRESSURE BUILD-UP/AUTO IGNITE/EXPLOSION. HDI/IRRIT VAPORS GENERATED.

Unusual Fire/Explosion Hazard:KEEP FROM IGNITE SOURCES. CLOSED CNTNR

MAY EXPLODE W/HEAT. USE SPECIAL PRECAUTION W/APPLIC TO HOT SRFCs. DURING EMERG COND, OVEREXPOS TO DECOMP PROD/HEALTH HZD.

===== 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 BLDG IN COMPLIANCE W/OSHA 1910.106. AVOID HIGH TEMP, IGNITION SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENT AREAS.

Other Precautions:KEEP CNTNRS TIGHT/UPRIGHT (PREVENT LEAKAGE). NO PROLONGED BREATHING OF VAPORS/SPRAY MISTS. AVOID CONTACT W/SKIN/EYES. DO NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE SAFETY PRECAUTIONS HAVE BEEN READ/ UNDERSTOOD. SMOKE ONLY IN SMOKING AREAS.

===== Exposure Controls/Person =====

al Protection =====

Respiratory Protection:USE ORGANIC VAPOR RESPIRATOR (AIR PURIFYING/FRESH AIR). OBSERVE OSHA REGULATIONS (RESPIRATOR USE). PROVIDE VENT (KEEP EXPOSURE LEVELS BELOW OSHA LIMITS). VAPOR PARTIC RSPRTR (TC23C--NIOSH/MSHA) IF VAP OR LEVELS ARE BELOW 10 X EXPOSURE LIMITS

Ventilation:EXHAUST VENT SUFFICIENT TO KEEP AIRBORNE CONC (SOLVENT/ POLYISOCYANATES/HDI) BELOW TLV'S. REMOVE ALL IGNITION SOURCES.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLE NE

Eye Protection:SPLASH GUARDS/SIDE SHIELDS/CHEM GOGGLES

Other Protective Equipment:FACE SHIELDS. THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED.

Work Hygienic Practices:REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM.

Supplemental Safety and Health

POSSIBLE ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYANATES LEVELS WELL BELOW THE TLV VALUE OF ISOCYANATES.

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

Boiling Pt:B.P. Text:241 TO 428F

Vapor Density:> AIR

Spec Gravity:1.0024

Viscosity:*

Evaporation Rate & Reference:0.95 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume:41.8

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS AND SURFACE ACTIV

E MATERIALS.

Stability Condition to Avoid:CONTACT WITH MOISTURE, MATERIALS 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 IN ACCORD W/FEDERAL, STATE & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HAN

DLED W/CARE (PRODUCT RESIDUE/FLAMMABLE VAPOR). DON'T
INCINERATE CLOSED CNTNRS. EPA HAZARDOUS WASTE #: D001, F003, F005.

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