

DEFT INC CHEMICAL COATING DIV -- CAT,MIL-C-85285B, 17038, TYPE I, 03BK071CAT --
8010-01-285-3047

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

Product ID:CAT,MIL-C-85285B, 17038, TYPE I, 03BK071CAT

MSDS Date:07/31/1991

FSC:8010

NIIN:01-285-3047

Kit Part:Y

MSDS Number: BLSVW

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

C

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:NORM GAUL

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 =====

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:5

0 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ALIPHATIC ISOCYANATE (VAPOR PRESSURE 0 MM HG)*
CAS:28182-81-2
Fraction by Wt: 50%
Other REC Limits:MOBAY TLV: 1 MG/M3

Ingred Name:*HEXAMETHYLENE DIISOCYANATE (HDI) CAS NO 822-06-0, FREE
MONOMER CONTENT LESS THAN 0.7% BASED ON RESIN SOLIDS AT TIME**
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:**OF MFR. AFTER 3-6 MO STORAGE FREE MONOMER CONTENT MAY
RISE (MAX 1.6%). THE ACGIH HAS PROPOSED A TLV OF 0.005 P
PM ***
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:***TWA IN THE NOTICE OF INTENDED CHANGES FOR 1987-88. MOBAY
RECOMMENDS A CEILING LEVEL OF 0.02 PPM.
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 485 G/L
RTECS #:9999999VO
Oth
er REC Limits:NONE SPECIFIED

===== 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: VAPORS IRRITATING TO
EYES/NOSE/THROAT. INHALATION: IRRITATION, ACUTE NERVOUS SYSTEM
DEPRESSION. CHRONIC: PROLONGED CONTACT WILL CAUSE DEFATTING ACTION.
INGESTION: IRRITATION. ASPIRATION CAN CAUSE CHEMICAL PNEUMONITIS.
AS A RESULT OFPR

EVIOUS REPEATED OVEREXPOSURE OR SINGLE LARGE DOSE,
CERTAIN INDIVIDUALS WILL**

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 O
THER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

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

First Aid:INHALATION: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC
TYPE SYMPTOMS MAY DEVELOP (IMMED/DELAYED BY SEVERAL HRS). GET MED
AID. SKIN: REMOVE CONTAM CLOTHING. WASH AREA W/SOAP & WATER. WASH
CONTAM C LOTHING BEFORE REUSE. EYES: FLUSH WITH LUKEWARM WATER (LOW
PRESSURE)--15 MIN, LIFTING UPPER/LOWER LIDS. GET MED AID.
INGESTION
: DON'T INDUCE VOMIT. NOTHING BY MOUTH TO UNCONSCIOUS
PERSON. GET MED AID.

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1%

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

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 Ha

zard: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.

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===== Exposure Controls/Personal 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 Glo

ves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

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

**DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE OF ISOCYANATES LEVELS WELL BELOW THE TLV V ALUE OF ISOCYANATES.

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

HCC:F2

Boiling Pt:B.P. Text:231 TO 237F

Vapor Density:> AIR

Spec Gravity:0.94

Viscosity:*

Evaporation Rate & Reference:1.39 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume:59.5

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, A

ALCOHOLS, METAL COMPOUNDS AND SURFACE
ACTIVE 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 HANDLED W/CARE (PRODUCT RESIDUE/FLAMMABLE VAPOR). DON'T
INCINERATE CLOSED CNTNRS. EPA HAZARDOUS WASTE #: D001, F003, F005.

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