

DEFT INC CHEMICAL COATING DIV -- TT-P-2756, 36118, 1-COAT PC03GY381 -- 8010-01-354-0969
===== Product Identification =====

Product ID:TT-P-2756, 36118, 1-COAT PC03GY381
MSDS Date:06/07/1991
FSC:8010
NIIN:01-354-0969
Kit Part:Y
MSDS Number: BQDVX
=== Responsible Party ===
Company Name:DEFT INC CHEMICAL COATING DIV
Address:17451 VON KARMAN AVE
City:IRVINE
State:CA
ZIP:92714-6205
Country:US
Info Phon
e 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

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

Ingred Name:ALIPHATIC ISOCYANATE, HEXAMETHYLENE DIISOCYANATE (HDI) CAS
NO. 822-06-0, FREE MONOMER CONTENT LESS THAN 0.5%.
CAS:28182-81-2
RTECS #:NQ9170000
Fraction by

Wt: 60%
Other REC Limits:MOBAY-0.02 CEILING
ACGIH TLV:0.005 PPM

Ingred Name:ETHYL-3-ETHOXYPROPIONATE (VP: .7 MMGH @ 68F)
CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 25%
Other REC Limits:50 PPM-TWA/STEL 100

Ingred Name:N-BUTYL ACETATE (VP: 13 MMGH @ 68F)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/STEL 200
ACGIH TLV:150 PPM/STEL 200
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====
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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 IRRIT TO
EYES-NOSE-THROAT. INHAL MAY CAUSE HEADACHES-DIFFICULT BREATH-LOSS
OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF PREVIOUS REPEAT
OVEREXPOS/SINGLE LG DOSE, SOME INDIVIDUALS WILL DEVEL OP ISOCYANATE
SENSITIZATION CAUSING A REACTION TO LATER EXPOS OF ISOCYANATE
LEVELS WELL BELOW TLV VALUE OF ISOCYANATES

Effects of

Overexposure:INHAL: RESP TRACT IRRIT, NERV SYS DEPRESS
W/HEADACHE-DIZZI-STAG GAIT-CONFUSION-UNCONSCIOUS-COMA. EYE: IRRIT,
POSS TEARING-REDNESS-SWELLING W/STING SENSATION. SKIN: IRRIT
W/SWELLING-REDNESS-RASH-DRY-DE FAT. INGEST: IRRIT, POSS CORROSIVE
ACTION IN MOUTH-STOMACH TISSUE-DIGEST TRACT. POSS ASPIR
W/VOMITING-CHEM PNEUMONITIS

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS. ISOCYANATE
SENSITI

ZATION.

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

First Aid:INHAL: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS-MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS-GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING-WASH BEFORE REUSE. WASH WITH SOAP AND WATER. EYES: FLUSH WITH WATER (LOW PRESSURE) 15 MINUTES, LIFTING LIDS-GET MED AID. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON-GET MED AID.

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

Flash Point Method:TCC
Flash Point:76.0F,24.4C
Lower Limits:1.05%
Upper Limits:7.60%
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG
Fire Fighting Procedures:FULL FIRE FIGHT EQUIP W/SCBA AND FULL PROTECT CLOTHING. MAY USE WATER TO COOL CLSD CNTNRS-PREVENT PRESSURE BUILD-UP/AUTO IGNIT/EXPLOS. IRRIT VAPORS W/COMBUSTN
Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD TIGHT-MAY EXPLODE W/HEAT. ISOLATE FROM HEAT/IGNIT SOURCES. SPECIAL PRECAUTION W/APPLIC TO HOT SURFACES. OVEREXPOSURE-HEALTH HAZ-SYMPTOMS DELAYED

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===== 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.

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

Handling and Storage Precautions:STO RE IN BLDG THAT COMPLY W/OSHA 1910.106. AVOID STOR NEAR HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGHTLY CLSD CNTNRS IN WELL VENT AREAS
Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE. PREVENT BREATHING OF VAPORS/SPRAY MIST. POSSIBLE ALLERGIC REACTION. AVOID CONTACT WITH EYES AND SKIN. DO NOT INGEST. DO NOT HANDLE UNTIL MFR SAFETY PRECAUTIONS ARE READ AND UNDERSTOOD.

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

Respir

atory Protection:RESP FOR ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING-FRESH AIR SUPPLIED). OBSERVE OSHA REG. PROVIDE VENT-KEEP EXPOS LEVELS BELOW PEL. VAPOR PARTIC RESP (TC23C NIOSH/MSHA) WHERE DEMONSTRATED THAT VAPOR LEVELS BELOW TEN TIMES APPLIC EXPOS LIMITS

Ventilation:UTILIZE EXHST VENT TO KEEP AIRBORNE CONC OF SOLVENT/HDI/POLYISOCYANATES BELOW RESPECTIVE TLV'S. RMV ALL IGNIT SOURCES

Protective Gloves:COTTON-NEOPRENE-RUBBER POLYETHYLENE

Eye Protection:SPLSH GUARD/SIDE-FACE SHIELD/CHEM GOGGLE

Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:260-460F

Vapor Density:> THAN AIR

Spec Gravity:1.02521

Evaporation Rate & Reference:0.44 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:45.0

===== 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 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:DISPOSE OF IN ACCORDANCE W/FEDERAL-STATE-LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE-DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. EPA HAZARDOUS WASTE NUMBER/CODE: D001-F003-F005

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y the compiling agencies):

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