

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 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

===== 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 o

f 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  
SENSIT

IZATION.

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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/IGNI  
T 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:STORE 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 =====

Respi

ratory 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/TEMPER

ATURE: 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 CONTAINER S. EPA HAZARDOUS WASTE NUMBER/CODE: D001-F003-F005

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