

DEFT INC CHEMICAL COATING DIV -- 3:1, MIL-C-85285B, 36173 PC03GY321 -- 8010-01-345-6535
===== Product Identification =====

Product ID:3:1, MIL-C-85285B, 36173 PC03GY321
MSDS Date:03/19/1992
FSC:8010
NIIN:01-345-6535
Kit Part:Y
MSDS Number: BQDVG
=== 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:714-474-0400
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:N-BUTYL ACETATE (VP: 13 MMGH @ 68F)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/STEL 200
ACGIH TLV:150 PPM/ST

EL 200
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL-3-ETHOXYPROPIONATE (VP: .7 MMGH @ 68F)
CAS:763-69-9
RTECS #:UF3325000
Fraction by Wt: 5%
Other REC Limits:50 PPM TWA/STEL 100

Ingred Name:ANITSETTLING AGENT
Fraction by Wt: < 0.1%
Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA 313) (VP: 22 MMGH @ 68F)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty
:1000 LBS

Ingred Name:XYLENE (SARA 313) (VP: 21 MMGH @ 100F)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/STEL 150
ACGIH TLV:100 PPM/STEL 150
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA 313) (VP: 7.1 MMGH @ 68F)
CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/STEL 125
ACGIH TLV:100 PPM/STEL 125
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ANTI-F

LOAT AGENT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:FLOW AGENT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313) (VP: 15 MMGH @ 68F)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 20%

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:METHYL ETHYL KETONE (SARA 313) (VP: 70 MMGH @ 68F)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: <

5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/STEL 300

ACGIH TLV:200 PPM/STEL 300

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ANTI MAR AGENT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:FLOW AGENT

CAS:26376-86-3

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:DIBUTYLTIN DILAURATE (VP: .2 MMGH @ 320F)

CAS:77-58-7

RTECS #:WH7000000

Fraction by Wt: < 0.1%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:.1MG/M3

Ingred Name:2-4 PENTANEDIONE (VP: 6.

9 MMGH @ 68F)
CAS:123-54-6
RTECS #:SA1925000
Fraction by Wt: < 5%
Other REC Limits:TLV 20 PPM-TWA

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===== 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 ARE IRRITATING TO EYES,
NOSE, AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT
BREATHING, LOSS OF CONSCIOUSNESS. CHRONIC: MAY CAUSE DRYING AND
CRACKING OF SKIN, DUE TO DEFATTING ACTION. SKIN SENSITIZATION,
ASTHMA OR OTHER ALLERGIC RESPONSES MAY DEVELOP. MAY CAUSE LIVER AND
KIDNEY DAMAGE.
Effects of Overexposure:INHAL: RESP TRACT IRRIT, NERV SYS DEPRESS
W/HEADACHE-DIZZINESS-STAGGERING
GAIT-CONFUSION-UNCONSCIOUSNESS-COMA. EYE: IRRIT,
TEARING-REDNESS-SWELLING W/STINGING SENSATION. SKIN: IRRIT
W/SWELLING-REDNESS -RASH. INGEST: IRRIT, CORROSIVE ACTION IN
MOUTH-STOMACH TISSUE-DIGEST TRACT. ASPIRATION WITH VOMITING-CHEM
PNEUMONITIS
Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

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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:23.0F,-5.0C
Lower Limits:1.00%
Upper Limits:11.40%
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG
Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT W/SCBA AND FULL
PROTECTIVE CLOTHING. MAY USE WATER TO COOL CLSD CONTAINERS TO
PREVENT PRESSURE BUILD-UP,

AUTO IGNITION OR EXPLOSION

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

===== 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 THAT COMPLY W/OSHA 1910.106. AVOID STORAGE NEAR HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGHTLY CLSD CNTNRS IN WELL VENT AREA

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 UN

TIL MFR SAFETY PRECAUTIONS ARE READ AND UNDERSTOOD.

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

Respiratory Protection:RESP FOR ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING-FRESH AIR SUPPLIED). OBSERVE OSHA REG. PROVIDE VENT TO KEEP EXPOS LEVELS BELOW PEL. IF TLV LIMITS MAINTAINED BELOW OSHA/ACGIH LIMITS-AIR RESP MAY NOT BE REQ. MAY USE OTHER OSHA/NIOSH RESP

Ventilation:EXHST VENT TO KEEP AIRBORNE CONC OF SOLVENT VAPORS/MIST BELOW TLV'S MUST BE UTILIZED

. REMOVE ALL IGNITION 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

KEY1:F3.

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

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HCC:F3

Boiling Pt:B.P. Text:175-401F

Vapor Density:> THAN AIR

Spec Gravity:1.23289

Evaporation Rate & Reference:1.26 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:54.8

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES

Hazardous Decomposition Products:B

Y HIGH HEAT/TEMPERATURE: CARBON

MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN

===== 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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