

DEFT INC CHEMICAL COATING DIV -- MIL-C-85285B, 12197 PC 03OR047 -- 8010-01-329-7263  
===== Product Identification =====

Product ID:MIL-C-85285B, 12197 PC 03OR047  
MSDS Date:04/16/1992  
FSC:8010  
NIIN:01-329-7263  
Kit Part:Y  
MSDS Number: BQGVP  
=== 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:7  
14-474-0400  
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:N-BUTYL ACETATE (VAPOR PRESSURE 13 MM HG @ 68F)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:150 PPM/STEL 200 PPM  
ACGIH

TLV:150 PPM/STEL 200 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL-3-ETHOXYPROPIONATE (VAPOR PRESSURE .7 MM HG @ 68F)

CAS:763-69-9

RTECS #:UF3325000

Fraction by Wt: 10%

Other REC Limits:TWA 50 PPM/STEL 100

Ingred Name:ANITSETTLING AGENT

Fraction by Wt: < 1%.

Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA 313) (VAPOR PRESSURE 22 MM HG @ 68F)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 3.01%

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:DISPERSION AID

Fraction by Wt: < 1%.

Other REC Limits:NONE SPECIFIED

Ingred Name:XYLENE (SARA 313) (VAPOR PRESSURE 21 MM HG @ 100F)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 0.33%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/STEL 150 PPM

ACGIH TLV:100 PPM/STEL 150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:FLOW AGENT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:ANTI-FLOAT AGENT

Fracti

on by Wt: < 1%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ZINC OXIDE (SARA 313)  
CAS:12063-19-3  
Fraction by Wt: 2.35%  
Other REC Limits:NONE SPECIFIED

Ingred Name:YELLOW TITANATE PIGMENT (SARA 313)  
CAS:8007-18-9  
Fraction by Wt: 8.1%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:.5 MP/F3  
ACGIH TLV:.5 MP/F3

Ingred Name:METHYL N-AMYL KETONE (VP: 2.1 MMGH @ 68F)  
CAS:110-43-0  
RTECS #:MJ5075000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:50 PPM

Ingred Name:ANTI MAR AG  
ENT  
Fraction by Wt: < 1%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ETHYL BENZENE (SARA 313) (VP: 7.1 MMGH @ 68F)  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 0.09%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/STEL 125 PPM  
ACGIH TLV:100 PPM/STEL 125 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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:.1 MG/M3

Ingred Name:2-4 PENTANEDIONE (VP: 6.9 MMGH @ 68F)  
CAS:123-54-6  
RTECS #:SA1925000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:TWA 20 PPM

Ingred Name:VOC: 327 (GRAMS/LITER)  
RTECS #:9999999VO  
Other 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, AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT  
BREATHING, AND LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT  
WILL CAUSE DRYING AND CRACKING OF THE SKIN, DUE TO DEFATTING  
ACTION. SKIN SENSITIZATION, ASTHMA OR OTHER ALLERGIC RESPONSES MAY  
DEVELOP. POSS LIVER/KIDNEY DAMAGE  
Effects of Overexposure:INHAL: IRRIT-RESP TRACT/ACUTE NERV SYS DEPRESS  
W/HEADACHE/DIZZI/STAG GAIT/CONFUSION/UNCONSCIOUS/COMA. SKIN: IRRIT  
W  
/SWELL-RED-RASH. ABSORP: IRRIT/DRYING/DEFAT. EYE:  
LIQ/AREOSOLS/VAPORS-IRRIT W/TEAR/RE D/SWELL W/STING SENSATION.  
INGEST: IRRIT. CORROSIVE IN MOUTH/STOMACH TISSUE/DIGEST TRACT.  
VOMIT ASPIR-CHEM PNEUMONITIS  
Medical Cond Aggravated by Exposure:ASHTMA AND ANY OTHER RESPIRATORY  
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

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

First Aid:INHAL: MOVE TO FRESH AIR-RESTORE BREATHING. ASTHMATIC TYPE  
SYMPTOMS MAY DE

VELOP AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS. GET MED ATTN. SKIN: REMOVE CONTAMINATED CLOTHING AND THOROUGHLY WASH BEFORE REUSE. WASH WITH SOAP AND WATER. EYE: FLUSH WITH WATER (LOW PRESS) 15 MINS, LIFTING LIDS. GET MED ATTN. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO UNCONSCIOUS PERSON. GET MED ATTN.

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1.00%

Upper Limits:11.4

0%

Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

Fire Fighting Procedures:FULL FIRE FIGHTING EQUIP W/SCBA AND FULL PROTECTIVE CLOTHING. MAY USE WATER TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION OR EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP CNTRS CLSD TIGHT. ISOLATE FROM HEAT/SPARKS/ELECT EQUIP/OPEN FLAME. EXPLODE W/EXTREME HEAT. SPEC PRECAUTN W/APPLIC TO HOT SURFACES. HEALTH HAZ/SYMP DELAYED

===== A  
ccidental 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 DESIGNED TO COMPLY W/OSHA 1910.106. AVOID STORAGE BY HIGH TEMP/FIRE/OPEN FLAME/SPARK SRC. STORE IN TIGH

T CLSD CNTNRS AND WELL VENT AREAS

Other Precautions:KEEP CONTAINER TIGHT/UPRIGHT-PREVENT LEAK. PREVENT PROLONGED BREATHING OF VAPORS/SPRAY MIST. PROLONGED OVEREXPOSE-POSS ALLERGIC REACT. AVOID CONTACT W/SKIN-EYES. DONT INGEST. DONT HANDLE UNTIL MFR SFT Y PRECAUTIONS HAVE BEEN READ/UNDERSTOOD.

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

Respiratory Protection:ORGANIC VAPOR ENVIRON RESP (AIR PURIFY/FRESH AIR SUPPLIED) NECESSARY. OBSERVE OSHA REG FOR RESP U

SE. PROVIDE

VENT-KEEP EXPOS LEVELS BELOW OSHA PEL LIMITS. AIR SUPPLIED RESP MAY NOT BE REQ IF TLV LIMIT MAINTAINED BELOW OSHA/ACGIH LIMITS.

Ventilation:EXHST VENT SUFFIC TO KEEP AIRBORNE CONC BELOW TLV'S MUST BE UTILIZED. RMV ALL IGNIT SRCS-HEAT/SPARKS/FLAME/HOT SURFACES

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:230-401F

Vapor Density:> THAN AIR

Spec Gravity:1.16687

Evaporation Rate & Reference:0.57 X N BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:ORANGE LIQUID WITH SOLVENT ODOR

Percent Volatiles by Vol

ume:36.4

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

Stability Indicator/Materials to Avoid:YES

HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.

Stability Condition to Avoid:AVOID STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL-STATE-LOCAL ENVIRONMENT

AL CONTROL REGULATIONS. HANDLE EMPTY CONTAINERS WITH CARE, DUE TO PRODUCT RESIDUE/FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS. EPA HA ZARDOUS WASTE NUMBER/CODE: D001-F003-F005.

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