

DEFT INC/CHEMICAL COATING DIV -- 02Y034 COMP I,MIL-P-23377C,E/S -- 8010-00-082-2477
===== Product Identification =====

Product ID:02Y034 COMP I,MIL-P-23377C,E/S
MSDS Date:06/29/1988
FSC:8010
NIIN:00-082-2477
MSDS Number: BYNXF
=== 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
CAGE:FO129
=== Contractor Identification ===
Company Name:DEFT INC/CHEMICAL COATING DIV
Address:17451 VON KARMAN AVE
City:IRVINE
State:CA
ZIP:92714-6205
Country:US
Phone:714-474-0400
CAGE:FO129
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:TOLUENE (IARC CARC- GROUP 3) *95-4*
CAS:108-88-3
RTECS #:XS

5250000

Fraction by Wt: 10%

Other REC Limits:375 MG/CUM

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:BUTYL ACETATE (N-BUTYL ACETATE) *95-4*

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 15%

Other REC Limits:150 PPM

OSHA PEL:710 MG/CUM

ACGIH TLV:713 MG/CUM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:STRONTIUM CHROMATE (SUSPECTED HUMAN CARCINOGEN BY ACGIH,
HUMAN CARCINOGEN BY IARC - GROUP 1; CARC BY NTP) *95-4*

CAS:7789-06-2

RTECS #:

GB3240000

Fraction by Wt: 20%

Other REC Limits:1 UG/CUM A1

OSHA PEL:100 UG/CUM

ACGIH TLV:0.001 MG/CUM IC

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:AMORPHOUS SILICA, AMORPHOUS-DIATOMACEOUS EARTH

CAS:61790-53-2

RTECS #:HL8600000

Fraction by Wt: 15%

Other REC Limits:20 MCCPF (MSHA)

ACGIH TLV:10 MG/CUM DUST

Ingred Name:SILICA CRYSTALLINE, SILICA (CRISTOBALITE) (SUSPECTED HUMAN
CARCINOGEN BY IARC, SUSP CARC BY NTP; IARC GROUP 2A) *95-4*

CAS:14464-46-1

RTECS #:VV7325000

Fraction by Wt: 8

%
Other REC Limits:0.05 MG/CUM NIOSH
ACGIH TLV:0.05 MG/CUM

Ingred Name:SILICON DIOXIDE, CRYSTALLINE QUARTZ, SAND (ANIMAL CARC,
SUSPECTED HUMAN CARC IARC-GROUP 2A; SUSPECTED CARC NTP) *95-4*
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 5%
Other REC Limits:0.05 MG/CUM NIOSH
OSHA PEL:0.1 MG/CUM RESP DUST
ACGIH TLV:0.1 MG/CUM RESP DUST

Ingred Name:HEXONE, METHYL ISOBUTYL KETONE (MIBK), 4-METHYL-2-PENTANONE
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 10%
Other REC Limits:50 PPM
OSHA PEL:
410 MG/CUM
ACGIH TLV:205 MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2-BUTANONE (METHYL ETHYL KETONE) (MEK)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 10%
Other REC Limits:590 MG/CUM
OSHA PEL:200 PPM
ACGIH TLV:590 MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chroni

c:INHALATION: IRRITATION OF THE
RESPIRATORY TRACT & CNS DEPRESSION. SKIN: IRRITATION & ABSORPTION.
SENSITIZATION/OTHER ALLERGIC RESPONSES MAY DEVELOP. EYES: LIQUID,
AEROSOLS/VAPORS ARE IRRITATING. INGESTION: IRRITATION, CORROSIVE
ACTION IN THE MOUTH, STOMACH TISSUE & DIGESTIVE TRACT. (SEE SUPP)

Explanation of Carcinogenicity:SEE INGREDIENTS.

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, STAGGERING
GAIT, CONFUSION, UNCONSCIOUSNES, COMA, SWELLING, REDNESS, RASH,

TEARING, STINGING SENSATION, DRYNESS, DEFATTING, CRACKING, VOMITING, DIFFICULT BREATHING, LOSS OF CONSCIOUSNESS. Medical Cond Aggravated by Exposure: ASTHMA & ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA & DERMATITIS.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP & MAY BE IMMEDIATE/DELAYED BY SEVERAL HOURS. SKIN: WASH AREAS THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/CLEAN Lukewarm Water (Low Pressure) for 15 mins. INGESTION: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point Method: TCC
Flash Point: 23F
Lower Limits: 1
Upper Limits: 11
Extinguishing Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.
Fire Fighting Procedures: WEAR FULL FIRE FIGHTING EQUIPMENT W/SCBA & FULL PROTECTIVE CLOTHING. WATER MAY BE USED TO COOL CLOSED CONTAINERS.
Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

===== Accidental Release Measures =====

Spill Release Procedures: EVACUATE PERSONNEL. REMOVE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN & REMOVE W/INERT ABSORBENT & NON-SPARKING TOOLS.

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

Handling and Storage Precautions: KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS. DON'T TAKE INTERNALLY.
Other Precautions: PROLONGED OVEREXPOSURE MAY CAUSE AN ALLERGIC REACTION. AVOID CONTACT W/SKIN & EYES. DON'T HANDLE UNTIL THE MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ & UNDERSTOOD. AVOID STORING NEAR HIGH TEMPS, FIRES, OPEN FLAMES & SPARK SOURCES.

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Exposure Controls/Personal Protection
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Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED/APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/FRESH AIR SUPPLIED) IS NECESSARY.

Ventilation:LOCAL EXHAUST TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS/MISTS < TLVS.

Protective Gloves:COTTON/NEOPRENE/RUBBER/POLYETHYLENE

Eye Protection:SAFETY GLASSES/SPLASH GUARDS/SIDESHIELDS

Other Protective Equipment:CHEMICAL GOGGLES, FACE SHIELDS, LONG SLEEVE

& LONG LEG CLOTHING.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING/USING WASHROOM.

Supplemental Safety and Health

KEY1:F3. THIS ENTRY DESCRIBES PART 1 OF A TWO PART KIT. SEE THIS SAME NSN, P/N IND D, FOR PART 2 DATA. NO SMOKE IN SMOKING AREAS ONLY.

HLTH HZRDS: VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT, MAY CAUSE CHEMICAL PNEUMONITIS. REPEATED/PROLONGED EXPOSURE MAY CAUSE DELAYED EFFECTS INVOLVING THE BLOOD, GASTROINTESTINAL.

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Physical/Chemical Properties
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HCC:F3

Boiling Pt:B.P. Text:175-260F

Vapor Density:>1

Spec Gravity:1.27491

Evaporation Rate & Reference:(N-BU AC = 1): 1.95

Solubility in Water:INSOLUBLE

Appearance and Odor:YELLOW LIQUID W/SOLVENT ODOR

Percent Volatiles by Volume:58.3

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS & STRONG LEWIS/MINERAL ACIDS.

Stability Condition to Avoid:HIGH TEMPS, SPARKS, OPEN FLAMES. AVOID UNCONTROLLED REACTIONS W/AMINES.

Hazardous Decomposition Products:BY HIGH HEAT/TEMP: CO, CO2, OXIDES OF NITROGEN, ALDEHYDES, ACIDS MAY FORM DURING COMBUSTION. CHROMIUM OXIDES WHEN BURNED

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Disposal Considerations
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Waste Disposal Methods:WASTE MUST BE DISPOSED OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE TO PRODUCT RESIDUE

& FLAMMABLE VAPOR. DON'T INCINERATE CLOSED
CONTAINERS. EPA HAZARDOUS WASTE: D001, D007, F003, F005.
FLAMMABLE LIQUID 3.

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