

DEFT INC -- MIL-C-85285B, 12197, P/C 040R001 -- 8010-01-329-6298

===== Product Identification =====

Product ID:MIL-C-85285B, 12197, P/C 040R001

MSDS Date:02/24/1993

FSC:8010

NIIN:01-329-6298

Kit Part:Y

MSDS Number: BRKMM

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:714-474-0400 800-424-9300(CHEMTREC)

Preparer's Name:NORM GAUL

CAGE:33458

=== Contractor Identification ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:800 424-9300

CAGE:33458

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:PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (VAPOR PRESSURE
3.

7 MM HG @ 68F)
CAS:108-65-6
RTECS #:AI8925000
Fraction by Wt: < 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:100 PPM

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:ANITSETTLING AGENT
Fraction by Wt: < 0.1%
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: 0.22%
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:METHYL N-PROPYL KETONE (VAPOR PRESSURE 27.8 MM HG @ 68F)
CAS:107-87-9
RTECS #:SA7875000
Fraction by Wt: 10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/STEL 250 PPM
ACGIH TLV:200 PPM/STEL 250 PPM

Ingred Name:FLOW AGENT
Fraction by Wt: < 1%
Other REC Limits:NONE S

PECIFIED

Ingred Name:2-4 PENTANEDIONE (VAPOR PRESSURE 6.9 MM HG @ 68F)

CAS:123-54-6

RTECS #:SA1925000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:20 PPM - TWA

Ingred Name:ANTI MAR AGENT

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: 0.07%

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:ETHYL BENZENE (SARA 313) (VAPOR PRESSURE 7.1 MM HG @ 68F)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 0.03%

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:BARIUM SULFATE

CAS:7727-43-7

RTECS #:CR0600000

Fraction by Wt: 18.14%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:VOC: 242 G/L

RTECS #:9999999VO

Other REC Limi

ts:NONE SPECIFIED

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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 IRRITATING TO EYES,
NOSE, THROAT. INHALED CAUSE HEADACHES, DIFFICULT BREATHING & LOSS
OF CONSCIOUSNESS. INGEST: IRRITATION, CORROSIVE ACTION IN MOUTH,
STOMACH, DIGESTIVE TRACT. VOMIT CAUSE ASPIRATION OF SOLID RESULT
CHEMICAL PNEUMONITIS. CRH
CHRONIC: REPEATED CONTACT DRYING/CRACKING
SKIN DUE TO DEFATTING ACTION.
Explanation of Carcinogenicity:PROP-65 THIS PRODUCT CONTAINS A
CHEMICAL(S) KNOWN TO THE STATE OF CALIF TO CAUSE BIRTH DEFECTS
OTHER REPRODUCTIVE HARM.
Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT
& ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE,
DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, COMA.
SKIN/EYE: IRRITATION. CONTACT W/ SKIN SWELLING, REDNESS, & RASH.

EYE: LIQUID, AEROSOLS, VAPORS ARE IRRITATING, CAUSE TEARING,
REDNESS, SWELLING, STINGING
Medical Conditions Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC
TYPE SYMPTOMS MAY DEVELOP MAY BE IMMEDIATE/DELAYED. GET MEDICAL
ATTENTION. SKIN: WASH AFFECTED AREAS THOROUGHLY W/ SOAP & WATER.

EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR 15
MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.
INGESTION: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING TO AN
UNCONSCIOUS PERSON. GET MEDICAL ATTENTION

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

Flash Point Method:TCC
Flash Point:45.0F,7.2C
Lower Limits:1.00 %
Upper Limits:13.10 %
Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER FOG, ALCOHOL FOAM.
Fire Fighting Procedures:FULL FIRE FIGHTING

EQUIPMENT WITH SCBA. WATER

MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION OR EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP TIGHTLY CLOSED. ISOLATE FROM ALL HEAT TYPES. CLOSED MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DURING EMERG CONDITIONS OVEREXPO TO DECOMPOST HEALTH HAZARD.

===== 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:BUILDINGS DESIGNED TO COMPLY W/OSHA 1910.106 AVOID STORING NEAR HIGH TEMPERATURES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS.

Other Precautions:PREVENT LEAKAGE. PREVENT BREATHING OF VAPORS OR SPRAY MISTS. OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DON'T INGEST. DON'T HANDLE UNTIL THE MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ & UNDERSTOOD.

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

Respiratory Protection:RESPIRATOR RECOMMENDED/APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/FRESH AIR SUPPLIED) NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE. AIR SUPPLIED RESPIRATOR, HOWEVER, OTHER OSHA/NIOSH APPROVED RESPIRATORS USED

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS/MISTS BELOW RESPECTIVE TLV'S LIMIT.

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:CHEMICAL GOGGLES, FULL-FACE SHIELD

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

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

LY.
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:213 TO 295F
Vapor Density:> AIR
Spec Gravity:1.28571
Evaporation Rate & Reference:1.28 X N-BUTYL ACETATE
Solubility in Water:INSOLUBLE
Appearance and Odor:ORANGE LIQUID WITH SOLVENT ODOR
Percent Volatiles by Volume:26.9

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability
Condition to Avoid:HIGH TEMPERATURES, SPARKS, OR OPEN FLAME.
Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON
MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH
LOCAL, STATE & FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY
CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND
FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS.

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