

DEFT, INC -- MIL-C-83286, G/S E/S, 36081 CAT -- 8010-01-104-6538

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

Product ID:MIL-C-83286, G/S E/S, 36081 CAT

MSDS Date:03/05/1987

FSC:8010

NIIN:01-104-6538

Kit Part:Y

MSDS Number: BGMBD

=== Responsible Party ===

Company Name:DEFT, INC

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Info Phone Num:(714) 474-0400

Emergency Phone Num:(714) 474-0400

Preparer's Name:N. GAUL

CAGE:5M511

=== 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

Company Name:DEFT, INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:714-474-0400

CAGE:5M511

===== Composition/Information on Ingredients =====

Ingred Name:2-ETHOXYETHYL ACETATE (CELLOSOLVE ACETATE) (EGEEA)

CAS:111-15-9

RTECS #:KK8225000

Fraction by Wt: 15%

OSHA PEL:S,100 PPM

ACGIH TLV:S, 5 PPM; 9192

Ingred Name:T

OLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 15%  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)  
CAS:822-06-0  
RTECS #:MO1740000  
Fraction by Wt: 35%  
ACGIH TLV:0.005 PPM; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 5%  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:50  
00 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 5%  
Other REC Limits:100 PPM  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 15%  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (SARA

III)  
CAS:141-78-6  
RTECS #:AH5425000  
Fraction by Wt: 15%  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM; 9192  
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:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:IRRITATION OF THE RESP TRACT, NOSE,  
SKIN, EYES, HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION,  
UNCONSCIOUSNESS OR COMA,  
Explanation of  
Carcinogenicity:NONE  
Effects of Overexposure:PROLONGED/REPEATED CONTACT CAN CAUSE MODERATE  
IRRITATION, DRYING & DEFATTING OF THE SKIN WHICH CAN CAUSE CRACK, &  
DERMATITIS.EYE: LIQUID, AEROSOLS OR VAPORS ARE IRRITATING & CAUSE  
TEARING, REDNESS, & SWELLING ACCOMPANIED BY A STINGING SENSATION.  
VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT RESULTING IN  
PNEUMONITIS.  
Medical Cond Aggravated by Exposure:ISOCYANATE SENSITIZATION, ASTHMA,  
DERMATITIS.

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

First Aid:INHALATION: MOVE TO AN AREA FREE FROM EXPOSURE. RESTORE  
BREATHING. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA  
W/SOAP & WATER. WASH CONTAMINATED THOROUGHLY BEFORE REUSE. EYES:  
FLUSH WITH CLEAN, LUKEWARM WATER FOR AT LEAST 15 MIN, OCCASIONALLY  
LIFTING EYELIDS. INGESTION: DON'T INDUCE VOMITING. DON'T GIVE  
ANYTHING BY MOUTH IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:23F  
Lower Limits:1.0%  
Upper Limits:11.5%  
Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER FOG  
Fire Fighting Procedures:SCBA & FULL PROTECTIVE CLOTHING. DURING A  
FIRE, HDI VAPORS/OTHER IRRITATING VAPORS MAY BE GENERATED BY  
COMBUSTION OR THERMAL DECOMPOSITION.  
Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. CLOSED  
CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. ISOLATE FROM  
HEAT, SPARKS, ELECTRICAL EQUIPMENT

& OPEN FLAME.

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

Spill Release Procedures:EVACUATE ALL NONESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, HOT SURFACES, SPARK SOURCES). VENTILATE AREA. CONTAIN & REMOVE WITH INERT ABSORBENT & NON-SPARKING TOOLS.

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHT/UPRIGHT TO PREVENT LEAKAGE. DON'T STORE/USE NEAR HEAT, SPARKS, OPEN FLAME.

PREVENT PROLONGED/REPEATED BREATHING OF VAPORS/MISTS

Other Precautions:PROLONGED OVEREXPOSURE CAN CAUSE AN ALLERGIC REACTION. IF MOISTURE ENTERS CONTAINERS, PRESSURE CAN BUILD UP DUE TO A REACTION PRODUCING CO<sub>2</sub> WHICH CAN CAUSE A SEALED CONTAINER TO BURST. DON'T RESEAL IF CONTAMINATION IS SUSPECTED.

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

Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN ISOCYANATE CONTAINING ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO KEEP AIR

Spec Gravity:1.0

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR, LIGHT AMBER COLOR WITH SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS & SURFACE ACTIVE MATERIALS.

Stability Con

dition to Avoid:HEAT, SPARKS, OPEN FLAME, HOT SURFACES.

Hazardous Decomposition Products:CO<sub>2</sub>, CO, OXIDES OF NITROGEN, TRACES OF HCN, HDI.

Conditions to Avoid Polymerization:CONTACT WITH MOISTURE, MATERIALS WHICH REACT WITH ISOCYANATES, & HIGH TEMPERATURES.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDL

ED WITH CARE DUE TO PRODUCE RESIDUE AND  
FLAMMABLE VAPOR. DON'T INC INERATE CLOSED CONTAINERS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to ver  
ify and  
assume responsibility for the suitability of this information to their  
particular situation.