

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

Product ID:POLYURETHANE 36375 REACTANT 03-GY-89

MSDS Date:02/07/1984

FSC:8010

NIIN:01-017-2480

Kit Part:Y

MSDS Number: BHTJK

=== Responsible Party ===

Company Name:DEFT CHEMICAL COATINGS

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Info Phone Num:(714) 549-8911

Emergency Phone Num:(714) 549-8911

CAGE:EO418

=== Contractor Ident

ification ===

Company Name:DEFT CHEMICAL COATINGS

CAGE:EO418

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:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 41-45%

Other REC Limits:590 MG/CUM

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)  
CAS:822-06-0  
RTECS #:MO1740000  
Fraction by Wt: 28-32%  
Other REC Limits:0.035 MG/CUM  
ACGIH TLV:0.005 PPM; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)  
CAS:108-10-1  
RTECS #:SA9275000  
Fraction by Wt: 7-11%  
Other REC Limits:50 PPM  
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:2-ETHOXYETHYL ACETATE (CELLOSOLVE ACETATE) (EGEEA)  
CA  
S:111-15-9  
RTECS #:KK8225000  
Fraction by Wt: 4-6%  
OSHA PEL:S,100 PPM  
ACGIH TLV:S, 5 PPM; 9192

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 4-6%  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 4-6%  
Other REC Limits:150 PPM  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt

Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 2-4%  
Other REC Limits:100 PPM  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

===== 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:INHALATION: ANESTHETIC, IRRITATION OF THE RESPIRATORY TRACT, NERVOUS SYSTEM DEPRESSION, HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN/EYE: IRRITATION.

Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION: ANESTHETIC, IRRITATION OF THE RESPIRATORY TRACT, NERVOUS SYSTEM DEPRESSION, HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN/EYE: IRRITATION. EXTENSIVE & CONTINUOUS OVEREXPOSURE MAY RESULT IN RESPIRATORY ALLERGIC SENSITIVITY.

Medical Cond Aggravated by Exposure:ALLERGIC SENSITIVITY.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM/QUIET. NOTIFY PHYSICIAN. EYES: FLUSH W/LARGE VOLUME OF WATER FOR AT LEAST 15 MINS. TAKE TO PHYSICIAN FOR MEDICAL ATTENTION. SKIN: WASH AFFECTED AREAS W/WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN.

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

Flash Point Method:TCC  
Flash Point

t:24F

Lower Limits:1.0%

Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER FOG

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS EXPOSED TO EXTREME HEAT OR FIRE TO PREVENT BUILD-UP/POSSIBLE AUTOIGNITION/EXPLOSION.

Unusual Fire/Explosion Hazard:FULL PROTECTIVE EQUIPMENT/SCBA. KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, OPEN FLAMES & HOT SURFACES. FLAMMABLE LIQUID.

===== Accidenta

I Release Measures =====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION, FLAME, HOT SURFACES, ELECTRICAL EQUIPMENT, STATIC DISCHARGE OR SPARKS. VENTILATE AREA. CONTAIN & REMOVE WITH INERT ABSORBENT & NON-SPARKING TOOLS.

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

Handling and Storage Precautions:KEEP CLOSURE TIGHT/CONTAINER UPRIGHT TO PREVENT LEAKAGE. DON'T STORE OR USE NEAR HEAT, SPARKS, OR FLAME. STORE ONLY IN WELL VENTILATED AREAS.

Other Precautions:AVOID BREATHING OF VAPOR OR SPRAY MIST.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR FOR PAINT, LACQUER, ENAMEL MISTS & ORGANIC VAPORS.

Ventilation:VENT FUMES ON HEATING

Protective Gloves:NEOPRENE, RUBBER, POLYETHYLENE, LEATHER

Eye Protection:SAFETY EYEWEAR W/GUARDS, SIDESHIELDS

Other Protective Equipment:CLEAN, LONG SLEEVE & LEG CLOTHING

Work Hygienic Practices:KEEP CLOSURE TIGHT & CONTAINER UPRIGHT TO

PREVENT LEAKAGE. REMOVE CONTAMINATED CLOTHING.

Supplemental Safety and Health

WT PER GAL: 7.51

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

HCC:F2

Boiling Pt:B.P. Text:175-313F

Vapor Density:>AIR

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:76.7%

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

Stability Indicator/Materials to Avoid:YES

ALCOHOLS, AMINES & OTHER COMPOUNDS WHICH REACT WITH ISOCYANATES.

Stability Condition to Avoid:HEAT, ELECTRICAL EQUIPMENT, SPARKS, OPEN  
FLAMES, HOT SURFACES & STATIC DISCHARGE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH LOCAL, STATE &  
FEDERAL REGULATIONS. INCINERATE IN APPROVED FACILITY. DON'T  
INCINERATE CLOSED CONTAINERS. FLAMMABLE LIQUID.

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