Product ID:03GY061CAT GRAY 16440 CATALYST MSDS Date:11/29/1988 FSC:8010 NIIN:01-068-3116 Kit Part:Y MSDS Number: BGKGJ === Responsible Party === Company Name: DEFT INC. Address:17451 VON KARMAN AVE City:IRVINE State:CA ZIP:92714 Info Phone Num:714-474-0400 Emergency Phone Num:714-474-0400 CAGE:FO688 === Contractor Identification === Company Name: DEFT INC. Address: 17451 VON KARMAN City:IRVINE State:CA ZIP:92714 Phone:(714) 474-0400 CAGE:FO688 Company Name: DEFT, INC. Address:17451 VON KARMAN AVE City:IRVINE State:CA ZIP:92614 Country:US Phone:949-474-0400 CAGE:33461

Ingred Name:2-ETHOXYETHYL ACETATE (CELLOSOLVE ACETATE) (EGEEA) CAS:111-15-9 RTECS #:KK8225000 Fraction by Wt: 10% OSHA PEL:S,100 PPM ACGIH TLV:S, 5 PPM; 9192

Ingred Name:N-BUTYL ACETATE (SARA III) CAS:123-86-4 RTECS #:AF7 350000 Fraction by Wt: 5% OSHA PEL:150 PPM/200 STEL ACGIH TLV:150 PPM/200STEL;9192 EPA Rpt Qty:5000 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% 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: 50% OSHA PEL:200 PPM/300 STEL ACGIH TLV:200 PPM/300STEL 9192 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:ALIPHATIC ISOCYANATE CAS:28182-81-2 Fraction by Wt: 30%

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE) CAS:822-06-0 RTECS #:MO1740000 Fraction by Wt: 0.7-1.6% Other REC Limits:0.02 PPM CEILING ACGIH TLV:0.005 PPM; 9192 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSH

A:NO Health Hazards Acute and Chronic: VAPORS ARE IRRITATING. ISOCYANATE IS SENSITIZING: POSSIBLY CAUSING REACTIONS WITH A SECOND EXPOSURE WELL BELOW TLV. 2-ETHOXYETHYL ACETATE IS ABSORBED BY THE SKIN, POSSIBLY CAUSING LIVER, KIDNEY, OR REPROD UCTIVE EFFECTS. Effects of Overexposure: EYE: IRRITATION, REDNESS, SWELLING. SKIN: IRRITATION. PROLONGED CONTACT MAY CAUSE DRYING, CRACKING OF SKIN. INHALED: IRRITATION & CENTRAL NERVOUS SYSTEM DEPRESSION;HEADACHE,DIFFICULT BREATHING,DIZZINESS,C ONF USION. INGESTED:G/I IRRITATION. Medical Cond Aggravated by Exposure: ASTHMA AND OTHER RESPIRATORY DISORDERS, SKIN ALLERGIES, ISOCYANATE SENSITIZATION. First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. LAUNDER CLOTHING BEFORE REUSE. INHALED: REMOVE FROM EXPOSURE. ASMATIC SYMPTOMS MAY DEVELOP OR BE DELAYED. GET MED ICAL ATTENTION AS NEEDED. INGESTED:DO NOT INDU CE VOMITING(ASPIRATION HAZARD). GET IMMEDIATE MEDICAL ATTENTION. Flash Point Method:TCC Flash Point:23F/-5C Lower Limits:1.0 Extinguishing Media: FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HEALTH HAZARD PRODUCING DELAYED SYMPTOMS. Spill Release Procedures: EVACUATE UNNECESSARY PERSONNEL, ELIMINATE

IGNITION SOURCES. VENTILATE AREA. ABSORB ON INERT MATERIAL. STORE IN CLOSED CONTAINERS PENDING DISPOSAL. Neutralizing Agent:NONE

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED AREA. STORE TIGHTLY CL OSED AND FREE OF IGNITION SOURCES.

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

Respiratory Protection:USE NIOSH RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV'S. EXCEPT:USE SUPPLIED AIR RESPIRATOR IF OVER TLV OF DIISOCYANATE. Ventilation:USE EXHAUST TO MAINTAIN EXPOSURE BELOW TLV. Protective Gloves:IMPERVIOUS(RUBBER,NEOPRENE,POLYETHYLENE) Eye Protection:SAFETY GLASSES,GOGGLES,OR FACE SHIELD Other Protective Equipment:LONG SLEEVE,LONG LEG WORK CLOTHING. LAUNDER CONTAMINATED CLOTHS BEFORE REUSE. Work Hygienic Practices:USE VERY STRICT CHEMICAL HYGIENE PRACTICE. TAKE UNUSUAL PRECAUTIONS TO PREVENT CONTACT WITH SENSITIZING

DIISOCYANATES.

Supplemental Safety and Health

HCC:F2 Boiling Pt:B.P. Text:175-313F Vapor Density:>AIR Spec Gravity:0.92 (CALC.) Evaporation Rate & amp; Reference:2.3 (BUAC) Appearance and Odor:AMBER LIQUID,SOLVENT OD OR Percent Volatiles by Volume:74.9

Stability Indicator/Materials to Avoid:YES WATER,AMINES,STRONG BASES,ALCOHOLS,METAL COMPOUNDS,SURFACE ACTIVE MATERIALS Stability Condition to Avoid:HIGH TEMPERATURES,MOISTURE Hazardous Decomposition Products:NORMAL PRODUCTS OF COMBUSTION PLUS CYANIDES AND ISOCYANATES.

Waste Disposal Methods: DISPOSE I/A/W FEDERAL, ST

ATE,LOCAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

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