

DEFT INC CHEMICAL COATING DIV -- CAT, MIL-C-83286, 16473, 03GY049CAT -- 8010-00-181-8255  
===== Product Identification =====

Product ID:CAT, MIL-C-83286, 16473, 03GY049CAT  
MSDS Date:06/06/1991  
FSC:8010  
NIIN:00-181-8255  
Kit Part:Y  
MSDS Number: BLKWQ  
=== Responsible Party ===  
Company Name:DEFT INC CHEMICAL COATING DIV  
Address:17451 VON KARMAN AVE  
City:IRVINE  
State:CA  
ZIP:92714-6205  
Country:US  
Info Ph  
one Num:714-474-0400  
Emergency Phone Num:800-424-9300 CHEMTREC  
Preparer's Name:NORM GAUL  
CAGE:33461  
=== 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

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

Ingred Name:ALIPHATIC ISOCYANATE (VAPOR PRESSURE: 0 MM HG)\*  
CAS:28182-81-2  
Fraction by Wt: 30%  
Other REC Limits:NONE SPECIFIED

Ingred Name:\*HEXAMETHYLENE DIISOCYANATE (

HDI) (CAS 822-06-0) FREE  
MONOMER CONTENT LESS THAN 0.7% BASED ON RESIN SOLIDS AT TIME OF\*\*  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

Ingred Name:\*\*MANUFACTURE. AFTER 3-6 MO STORAGE THE FREE MONOMER  
CONTENT MAY RISE (MAX-1.6%). ACGIH HAS PROPOSED A TVL OF 0.005\*\*\*  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

Ingred Name:\*\*\*PPM TWA IN THE NOTICE OF INTENDED CHANGES FOR 1987-88.  
MOBAY RECOMMENDS A CEILING LEVEL OF 1.02 PPM.  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIE  
D

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 5%  
Other REC Limits:NONE SPECIFIED  
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%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL-3-ETHOXYPROPIONATE (VAPO  
R PRESSURE 0.7 MM HG)  
CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 45%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOC: 625 G/L  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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

tes of Entry: Inhalation: YES Skin: YES Ingestion: NO  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: ACUTE: IRRITATING TO EYES/NOSE/THROAT.  
INHALATION: HEADACHES/DIFFICULT BREATHING/LOSS OF CONSCIOUSNESS.  
CHRONIC: PROLONGED CONTACT OR LARGE SINGLE DOSE CAN DEVELOP  
ISOCYANATE SENSITIZATION WHICH WILL CAUSE REACTION IN LATER  
EXPOSURE OF ISOCYANATE LEVELS BELOW TLV VALUE OF ISOCYANATE.  
Effects of Overexposure: INHAL: IRRITATION OF RESPIRATORY TR  
ACT/ NERVOUS  
SYSTEM DEPRESSION: HEADACHE/DIZZINESS/STAGGERING/CONFUSION/  
UNCONSCIOUSNESS/COMA. SKIN/EYE: IRRITATION:  
SWELLING/REDNESS/RASH/TEARING/ STINGING/DRYING/DEFATTING/CRACKING.  
INGESTION: IRRITATION, POSS CORROSION TO MOUTH/DIGESTIVE TRACT.  
VOMITING CAN CAUSE CHEMICAL PNEUMONITIS  
Medical Cond Aggravated by Exposure: ASTHMA AND ANY OTHER RESPIRATORY  
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS. ISOCYANATE  
SENSITIZATION.

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

First Aid: INHALATION: REMOVE TO NO RISK AREA. RESTORE BREATHING.  
ASTHMA-LIKE SYMPTOMS MAY APPEAR IMMEDIATE/DELAYED. MED ATTEN. SKIN:  
REMOVE CLOTHING. WASH W/ SOAP/WATER. WASH CONTAMINATED CLOTHING  
BEFORE REUSE. EYES : FLUSH W/ WATER (LOW PRESSURE) 15 MINUTES LIFT  
LIDS OCCASIONALLY. MED ATTEN. INGESTION: DO NOT INDUCE VOMITING. DO  
NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. MED ATTEN.

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

Flash Point Method: TCC  
Flash Point: 24.0F, -4.4C  
Lower Limits: 1  
Extinguishing Media: FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL,  
WATER FOG.  
Fire Fighting Procedures: FULL EQUIP/SCBA/PROTEC CLOTH. H2O/COOL CLOSED  
CONTAINERS/PREVENT PRESSURE BUILD-UP/AUTO IGNITION/EXPLOSION. HAZ/OTHER  
VAPORS GENERATED BY COMBUSTION/THERM DECOMP.  
Unusual Fire/Explosion Hazard: CONTAINERS CLOSED, MAY EXPLODE HIGH HEAT.  
NO HEAT/SPARKS/ELEC EQUIPMENT/OPEN FLAME. HOT SURFACES-SPECIAL  
PRECAUTIONS. OVER

## REXPOSURE TO DECOMP PRODS 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 ABSORBANT AND NON-SPARKING TOOLS.

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

Handling and Storage Precautions:BUILDINGS TO COMPLY WITH OSHA 1910.106. AVOID STORING NEAR

HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES. CLOSED CONTAINERS/WELL VENTILATED.

Other Precautions:NO LEAKAGE/PROLONGED BREATHING OF VAPORS/SPRAY MIST. OVEREXPOSURE-ALLERGIC REACTION. NO CONTACT SKIN/EYES. DO NOT INGEST. UNDERSTAND MANUFACTURERS SAFETY PRECAUTIONS. WASH BEFORE EATING/SMOKING/ USING WASHROOM. SMOKE IN SMOKING AREAS ONLY.

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

Respiratory Protection:RSPRTR RECOMM/APPROVE FOR USE IN ORGANIC VAPOR

ENVIRON (AIR PURIFY/FRESH AIR). OBSERVE OSHA REGS--RSPRTR USE. VENT TO KEEP EXPOSURE LEVELS < OSHA LIMITS. VAPOR PARTIC RSPRTR (TC23C--NIOSH/MSHA) IF VAP OR LEVELS BELOW 10 X EXPOSURE LIMITS.

Ventilation:KEEP AIRBORNE CONCENTRAIONS OF SOLVENT/HDI/POLYISOCYANATES