

DEFT INC CHEMICAL COATING DIV -- CAT, 1-COAT, TT-P-2756, 36375 PC 03GY369CAT --  
8010-01-354-0964

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

Product ID:CAT, 1-COAT, TT-P-2756, 36375 PC 03GY369CAT

MSDS Date:05/24/1991

FSC:8010

NIIN:01-354-0964

Kit Part:Y

MSDS Number: BQGWY

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Co

untry:US

Info Phone 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 (HEXAMETHYLENE DIISOCYANATE [HDI] CAS:  
822-06-0; FREE MONOMER CONTENT LESS THAN .5%)

CAS:28182-81-2

RTECS #:HQ917000

0  
Fraction by Wt: 60%  
Other REC Limits:MOBAY:CEILING.02 PPM  
ACGIH TLV:TWA: 0.005 PPM

Ingred Name:ETHYL 3-ETHOXYPROPIONATE (VAPOR PRESSURE .7 MM HG @ 68F)  
CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 20%  
Other REC Limits:50 PPM;STEL 100 PPM

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 13 MM HG @ 68F)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 15%  
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:  
me:VOC: 399 G/L  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

===== 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; EYES, NOSE, THROAT IRRIT &  
ACUTE NERV SYS DEPRESSN. INHAL: HEADACHES, DIZZINESS, STAGGERING,  
DIFFICULT BREATHING, CONFUSION, UNCONSCIOUSNESS, COMA. SKIN: IRRIT  
(SWELLING, REDNESS, RASH). EYES:IRRIT (TE  
ARING, REDNESS, SWELLING  
W/STINGING). INGEST: IRRIT, CORROSIVE TO GI TRACT. ASPIRATION  
(VOMIT)-CHEM PNEUMONITIS.  
Effects of Overexposure:CHRONIC; AS A RESULT OF PREVIOUS REPEATED  
OVEREXPOSURE OR A SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL  
DEVELOP ISOCYANATE SENSITIZATION WHICH WILL CAUSE THEM TO REACT TO  
A LATER EXPOSURE OF ISOCYANATE LEVELS WELL BELOW THE TLV VALUE OF  
ISOCYANATES.  
Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY  
DISORDERS. SKIN

ALLERGIES, ECZEMA AND DERMATITIS. ISOCYANATE SENSITIZATION.

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

First Aid:INHAL: MOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP (IMMED/DELAYED). GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS WITH SOAP & WATER. WASH CONTAMINATED CLOTHES BEFORE REUSE. EYES: FLUSH WITH LUKEWARM WATER (LOW PRESSURE) 15 MIN, LIFTING EYELIDS. GET MED AID. INGEST: DONT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC  
Flash Point:76.0F,24.4C  
Lower Limits:1.05  
Upper Limits:7.60  
Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG  
Fire Fighting Procedures:USE FULL PROTECT CLOTH/FIREFIGHT EQUIP W/SCBA. WATER MAY BE USED TO COOL CLSD CNTNRS (PREVENT PRESS BLDUP/AUTOIGNIT/EXPLOS). HDI/IRRIT VAPOR GENERATED BY FIRE.  
Unusual Fire  
/Explosion Hazard:KEEP CNTNR CLSD. KEEP FROM HEAT/IGNIT SOURCE. CLSD CNTNR MAY EXPLODE W/HEAT. APPLIC TO HOT SURFACE REQ SPECIAL PRECAUTION. OVEREXPOSURE TO DECOMP PROD-HLTH HZD.

===== 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:STORE IN BUILDINGS IN COMPLIANCE WITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPS/IGNITION SOURCE. STORE IN CLOSED CONTAINER IN WELL VENTILATED AREA.  
Other Precautions:KEEP CNTNR TIGHT/UPRIGHT (PREVENT LEAK). PREVENT PROLONGD VAPOR BREATHING. PROLONGD OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID SKIN/EYE CONTACT. DONT INGEST.DONT HANDLE TILL MFR PRECAUTIONS READ/ UNDERSTOOD. SMOKE IN SMOKI

NG AREAS ONLY.

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

Respiratory Protection:USE RESPIRATOR RECOMMENDED FOR USE IN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/FRESH AIR SUPPLIED). OBSERVE OSHA RESPIRATOR REGULATIONS. VAPOR PARTIC RESPIRATOR (TC23C) MAY BE USED WHEN AIR MONITORING SHOWS VAPOR LEVELS BELOW 10X TLV/PEL.

Ventilation:EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATION (HDI, POLYISOCYANATES, SOLVENT) BELOW TLVS. REMOVE IGNITION SOURCES.

Prot

ective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection:CHEM GOGGLES,FACESHLDs,SPLSH GRDS,SDSHLD

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

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:260 TO 460F

Vapor Density:> AIR

Spec Gr

avity:1.03121

Evaporation Rate & Reference:0.47 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:41.5

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:CONTACT WITH MOISTURE, MATERIAL WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURE

S.

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN, TRACES OF HCN AND HDI.

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

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH CA

RE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. DONT  
INCINERATE CLOSED CONTAINER. EPA HZD WASTE #: D001, F003,  
F005,IGNITABLE.

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