

DEFT INC CHEMICAL COATING DIV -- CAT, 1-COAT, TT-P-2756, 36173 PC 03GY388CAT --
8010-01-354-0983

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

Product ID:CAT, 1-COAT, TT-P-2756, 36173 PC 03GY388CAT

MSDS Date:02/11/1992

FSC:8010

NIIN:01-354-0983

Kit Part:Y

MSDS Number: BQGXG

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

C

Country: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 0.5%)

CAS:28182-81-2

RTECS #:HQ9170

000

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 N

ame:VOC: 381 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: I RRIT (T

EARING, 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 ISOCYANAT E LEVELS WELL BELOW THE TLV VALUE OF
ISOCYANATES.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY
DISORDERS. SKI

N ALLERGIES, ECZEMA AND DERMATITIS. ISOCYANATE SENSITIZATION.

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===== 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.

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===== 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.

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===== 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.

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===== 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 SMOK

ING AREAS ONLY.

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===== 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.

Protective 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

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

HCC:F2

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

Vapor Density:> AIR

Spec G

Gravity: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:41.7

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===== 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 TEMPERATURES.

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.

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

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

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

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