

DEFT INC CHEMICAL COATING DIV -- CAT, 1-COAT, TT-P-2756, 34097 PC 03 GN 226 --  
8010-01-353-3693

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

Product ID:CAT, 1-COAT, TT-P-2756, 34097 PC 03 GN 226

MSDS Date:12/21/1992

FSC:8010

NIIN:01-353-3693

Kit Part:Y

MSDS Number: BQYQP

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Coun

try: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

CAS:28182-81-2

RTECS #:HQ9170000

Fraction by Wt: 60%

Other REC Limits:NONE SPECIFIED

Ingred Name:ETHYL-3-ETHOXYPROPIONATE

CAS:763-69-9  
RTECS #:UF3325000  
Fraction by Wt: 20%  
Other REC Limits:NONE SPECIFIED

Ingred Name:N-BUTYL ACETATE  
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:VOC: 400 G/L  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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

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

Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES,  
NOSE, & THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING  
AND LOSS OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF OVEREXPOSURE OR  
SINGLE LARGE DOSE, SOME INDIVIDUALS MAY DEVELOP ISOCYANATE  
SENSITIZATION WHICH MAY LATER CAUSE THEM TO REACT TO EXPOSURE OF  
ISOCYANATE LEVELS.

Effects of Overexposure:INHALATION: HEADACHE, DIZZINESS, STAGGERING  
GAI

T, CONFUSION, UNCONSCIOUSNESS OR COMA. EYES: LIQUID, AREOSOLS,  
VAPORS TEARING, REDNESS, SWELLING, STINGING. SKIN: ISOCYANATES  
REACT W/SKIN PROTEIN & MOIS TURE, IRRITATING. RASH. SKIN  
ABSORPTION: DRYING, SKIN CRACK.INGESTION: MOUTH/STOMACH CORROSIVE.  
DO NOT INDUCE VOMITING.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY  
DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMITITIS. ISOCYANATE  
SENSITIZATION.

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

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First Aid:INHALATION: REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION AS NEEDED. ASTHMATIC TYPE SYMPTOMS. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREAS WITH SOAP & WATER. REMOVE & WASH CONTAMINATED CLOTHING BEFO RE REUSE. EYES: FLUSH FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON.

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

Flash Point Metho

d:TCC

Flash Point:76.0F,24.4C

Lower Limits:1.05%

Upper Limits:7.60%

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

Fire Fighting Procedures:H2O TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION/EXPLOSION. DURING A FIRE HDI VAPORS MAY BE GENERATED BY COMBUSTION OR THERMAL DECOMP.

Unusual Fire/Explosion Hazard:ISOLATE FROM HEAT, SPARKS, ELECTRICAL STATIC. MAY EXPLODE WHEN EXPOSED TO HEAT. OVEREXPOSURE TO DECOMPOSITION PRODUCTS HEALTH HAZARD. N

OT IMMEDIATELY APPARENT

===== 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 DESIGNED TO COMPLY WITH OSHA 1910.106 AVOID STORING NEAR HEAT, FIRE, FLAMES, SPARKS.

STORE IN WELL VENTILATED AREAS.TIGHTLY CLOSED.

Other Precautions:KEEP UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED BREATHING. PROLONGED OVEREXPOSURE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT TAKE INTERNALLY. WASH HANDS BEFORE EATING OR SMOKING OR U SING WASHROOM. SMOKE IN DESIGNATED AREAS

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

Respiratory Protection:OBSERVE OSHA REGUALTIONS FOR RESPIRATOR. PROPER VENT

ILATION. KEEP EXPOSURE LEVELS DOWN AND AIR VAPORS.

Ventilation: AIRBORNE CONCENTRATIONS OF SOLVENT, HDI & POLYISOCYANATED  
BELOW TLV'S. REMOVE ALL IGNITION SOURCES. HEAT, FLAME, SPARKS.

Protective Gloves: COTTON, NEOPRENE, RUBBER, POLYETHYLENE.

Eye Protection: SAFETY/CHEMICAL GOGGLES, FULL-FACE SHIELD

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

Supplemental Safety and Health

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Physical/Chemical Properties =====

HCC: F2

Boiling Pt: B.P. Text: 260 TO 401 F

Vapor Density: > AIR

Spec Gravity: 1.03121

Evaporation Rate & Reference: .47

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.

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Disposal Considerations =====

Waste Disposal Methods: WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH  
FEDERAL, STATE, & LOCAL REGULATIONS. EMPTY CONTAINERS MUST BE  
HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE  
VAPOR DO NOT INCINERATE CLOSED CONTAINERS.

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