

DEFT INC -- 1-COAT, TT-P-2756,30140 -- 8010-01-376-3703

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

Product ID:1-COAT, TT-P-2756,30140

MSDS Date:05/31/1993

FSC:8010

NIIN:01-376-3703

Status Code:A

MSDS Number: CKPRP

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Info Phone Num:949-474-0400

Emergency Phone Num:800-424-9300

Preparer's Nam

e:NORM GAUL

Chemtrec Ind/Phone:(800)424-9300

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:ETHYL 3-ETHOXYPROPANOATE

CAS:763-69-9

RTECS #:UF3325000

Fraction by Wt: 20%

Ingred Name:ALIPHATIC ISOCYANATE

CAS:4035-89-6

Code:F

RTECS #:NR0195000

= Wt:60.

Ingred Name:N-BUTYL ACETATE

CAS:123-86-4

R

TECS #:AF7350000

= Wt:15.

OSHA PEL:710 MG/M3;150 PPM

ACGIH TLV:713 MG/M3;150 PPM

ACGIH STEL:950 MG/M3;200 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES, NOSE, AND THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING AND LOSS OF CONSCIOUSNESS. CHRONIC: AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURE OR A S INGLE 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 ISCYANATES.

Effects of Overexposure:INHALATION: IRRITATION OF THE RESPIRATORY TRACT AND ACUTE NERVOUS SYSTEM DEPRESSTION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNES S OR COMA. SKIN AND EYE CONTACT: CONTACT WITH THE SKIN CAN CAUSE IRRITATION. SYMPTOMS M

AY BE SWELLING, REDNESS, AND RASH. EYES: LIQUID, AREOSOLS, OR VAPORS ARE IRRITATING AND MAY CAUSE TEARING, R EDNESS, AND SWELLING ACCOMPANIED BY A STINGING SENSATION. SKIN ABSORPTION: PROLONGED OR REPEATED CONTACT CAN CAUSE MODEATE IRRITATION, DRYING, AND DEFATTING OF THE SKIN WHICH CAN CAUSE THE SKIN TO C RACK. *

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

===== First Aid

Measures =====

First Aid:INHALATION: MOVE TO AN AREA FREE FROM RISK OF FUTHER EXPOSURE. RESTORE BREATHING. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE OR DELAYED BY SEVERAL HOURS. OBTAIN MEDICAL ATTENTION. S KIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE. EYES: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) F OR AT LEAST 15 MINUTES, OCCASI

ONALLY LIFTING

EYELIDS. OBTAIN MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point Method:TCC

Flash Point:=24.4C, 76.F

76F

Lower Limits:1.05%

Upper Limits:7.6%

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

Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT WITH SELF-CONTAINED BR

EATHING APPARATUS AND FULL PROTECTIVE CLOTHING

SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD -UP, AUTO IGNITION OR EXPLOSION. DURING A FIRE HDI VAPORS AND OTHER IRRITATING VAPORS MAY BE GENERATED BY COMB.

Unusual Fire/Explosion Hazard:KEEP CNTAINRS TIGHTLY CLOSED. ISLATE FROM HEAT, SPRKS, ELCTRCL EQPMNT & OPEN FLAME. CLOSED CNTAINRS MAY EXPLDE WHEN EXPSD TO EXTREME HEAT. APPLICATION TO HOT SURFCS RQUIRES SPCI

AL PRCAUTIONS. DURING EMRGNCY CNDTIONS OVERXPOSURE TO DECOMPOSITION PRDCTS MAY CAUSE A HEALTH HAZARD. SYMPTMS MAY NOT BE IMMDIATLY APPRNT.

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Accidental Release Measures
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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
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Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106 AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, AND SPARK SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED ARE AS.

Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED BREATHING OF VAPORS OR SPRAY MISTS. PROLONGED OVEREXPOSURE MAY CAUSE AND ALLERGIC REACTION. AVOD CONTACT WITH SKIN AND EYES. DO N

DO NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL THE
MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

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

Respiratory Protection:A RESPIRATOR THAT IS RECOMMENDED OR APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS OR MISTS BELOW THEIR RESPECTIVE TLV'S MUST BE UTILIZED.

Protective Gloves:COTON, NEOPRENE OR RUBBER POLYETHYLENE

Eye Protection:SAFETY GLASSES WITH SPLASH GUARDS OR SAFE SHIELDS, CHEMICAL GOGGLES.

Other Protective Equipment:THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. REMOVE ALL IGNITION SOURCES (HEAT, SPARKS, FLAME, AND HOT SURFACES).

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

WASHROOM. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

VENTILATION SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE LIMITS. IF TLV LIMITS CAN BE MAINTAINED AND DOCUMENTED BELOW THE OSHA/ACGIH LIMITS, AN AIR SUPPLIED RESPIRATOR MAY NOT BE REQUIRED. HOWEVER, OTHER OSHA/NIOSH APPROVED RESPIRATORS MAY BE USED.

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

Boiling Pt:>126.7C, 260.F

B.P. Text:260-460 DEG F

Vapor Density

:HEAVIER

Spec Gravity:1.03121

VOC Pounds/Gallon:400

Viscosity:THIN LIQUID, HVY VISCOUS

Evaporation Rate & Reference:.47 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:YELLOW LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:41.7%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGHTEMP, SPARKS, OR OPEN FLAMES.

Hazardous Decomposition Product

s:BY HIGH HEAT/TEMPERATURE: CARBON
MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

===== Toxicological Information =====

Toxicological Information:THIS PRODUCT SONTAINS THE FOLLOWING TOXIC
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF
THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND
OF 40 CFR 372: XYLENE, Y ELLOW TITANATE PIGMENT AND ETHYL BENZENE.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH
FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY
CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND
GLAMMBLE VAPOR DO NOT I NCINERATE CLOSED CONTAINERS.

===== MSDS Transport Information =====

Transport Information:APPLICABLE REGULATIONS: 49 CFR YES PROPER
SHIPPING NAME: PAINT UN: 1263 HAZARD CLASS: FLAMMABLE LIQUID 3
REQUIRED LABEL
S: FLAMMBLE LIQUID U.S. POSTAL REGULATION: NOT
ALLOWED TO SEND VIA US POST AL SERVICE.

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF
THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND
OF 40 CFR 372: 1) XYLEN E, 2) TOLUENE 3) ETHYL BENZENE.

State Regulatory Information:

===== Other I
nformation =====

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ormation to their
particular situation.