

DEFT INC CHEMICAL COATING DIV -- CAT,MIL-C-85285B,24052,TYPE II, PART B -- 8010-01-330-3435

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

Product ID:CAT,MIL-C-85285B,24052,TYPE II, PART B

MSDS Date:07/13/1992

FSC:8010

NIIN:01-330-3435

Kit Part:Y

MSDS Number: BTKXV

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:714-474-0400

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:HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE (HDI)

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by Wt: 90%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHA, LI

GHT AROMATIC  
CAS:64742-95-6  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM 9091

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:150 PPM/200STEL;9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:150 PPM/200S  
TEL;9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION-IRRITATION OF THE  
RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION. SKIN &  
EYE-CONTACT WITH THE SKIN CAN CAUSE IRRITATION. INGESTION-CAN  
RESULT IN IRRITATION & POSSIBLE CORROSIVE ACTION IN THE MOUTH,  
STOMA  
CH TISSUE & DIGESTIVE TRACT.

Explanation of Carcinogenicity:NONE OF THE LISTED HAZARDOUS INGREDIENTS  
ARE LISTED AS CARCINOGENS BY NTP, IARC MONOGRAPHS OR OSHA.  
Effects of Overexposure:INHALATION-HEADACHE, DIZZINESS, STAGGERING  
GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN-SWELLING, REDNESS,  
RASH. EYE-TEARING, REDNESS, SWELLING ACCOMPAINED BY A STINGING  
SENSATION. INGESTION-VOMITIN G MAY CAUSE ASPIRATION OF THE SOLVENT  
RESULTING IN CHEMICAL PNEUMONITIS.  
Medical Cond Aggravate

d by Exposure:ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA, DERMATITIS. ISOCYANATE SENSITIVITY.

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

First Aid:INHALATION-MOVE TO AN AREA FREE FROM RISK OR FUTHER EXPOSURE. RESTORE BREATHING. OBTAIN MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHING. WASH EFFECTED AREAS THOROUGHLY WITH SOAP & WATER. EYES-FLU SH WITH CLEAN LUKE-WARM WATER (LOW PRESSURE) FOR AT LEAST 15 MIN. OBTAIN MEDICAL ATTENTION. INGESTION-DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:76.0F,24.4C  
Lower Limits:1.0  
Upper Limits:7.60  
Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG, WATER SPRAY. USE WATER TO COOL CONTAINERS.  
Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT WITH SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS.  
Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT & OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL NONESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, SPARK SOURCE, HOT SURFACES). VENTILATE AREA. CONTAIN SPILL 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 HIGH TEMPERATURES, FIRE, OPEN FLAMES & SPARK SOURCES.  
Other Precautions:STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS. KEEP CONTAINER TIGHT AND UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED OR REPEATED BREATHING OF VAPO

RS OR SPRAY

MISTS. PROLONGED EXPOSURE MAY CAUSE AN ALLERGIC REACTION.

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

Respiratory Protection: 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 SHOULD BE PROVIDED TO KEEP EXPOSURE BELOW PEL'S.

Ventilation: EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS OR MISTS BELOW THEIR RESPECTIVE

TLV

Protective Gloves: NEOPRENE, RUBBER, POLYETHYLENE GLOVES.

Eye Protection: SPLASH GUARDS, SIDE SHIELDS, GOGGLES.

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

Work Hygienic Practices: WASH HANDS BEFORE EATING, SMOKING OR USING WASH ROOM. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

AVOID CONTACT WITH SKIN AND EYES. DO NOT

TAKE INTERNALLY. DO NOT HANDLE

UNTIL THE MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. KEY1:F4.

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

HCC:F3

Boiling Pt: B.P. Text: 260-335 F

Vapor Density: >AIR

Spec Gravity: 1.12845

Evaporation Rate & Reference: 0.44 X N-BUTYL ACETATE

Solubility in Water: INSOLUBLE

Appearance and Odor: THIN LIQUID TO HEAVY VISCOUS MATERIAL.

Percent Volatiles by Volume: 12.9

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===== Stability and Reactivity Data =

Stability Indicator/Materials to Avoid: YES

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

Stability Condition to Avoid: CONTACT WITH MOISTURE, MATERIALS WHICH REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

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

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

Waste Disposal Methods: WASTE MUST BE DISPOSED

SPOSED OF IN ACCORDANCE WITH

FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH CARE DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLOSED CONTAINERS.

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