

DEFT INC CHEMICAL COATING DIV -- 03-W-40 CATALYST,WHITE 17875,ISOCYANATE --  
8010-00-181-8282

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Product Identification  
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Product ID:03-W-40 CATALYST,WHITE 17875,ISOCYANATE

MSDS Date:08/25/1987

FSC:8010

NIIN:00-181-8282

Kit Part:Y

MSDS Number: BDGTL

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE.

City:IRVINE

State:CA

ZIP:92714-6205

Info Phone Num:714-474-0400

Emergency Phone Num:714-474-0400

Preparer's N

ame:N. 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

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Composition/Information on Ingredients  
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Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 45%

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:XYLENES (O-,M-,P- ISO

MERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 5.0%  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:2-ETHOXYETHYL ACETATE (CELLOSOLVE ACETATE) (EGEEA)  
CAS:111-15-9  
RTECS #:KK8225000  
Fraction by Wt: 10%  
OSHA PEL:S,100 PPM  
ACGIH TLV:S, 5 PPM; 9192

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 5%  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT  
Rpt Qty:5000 LBS

Ingred Name:BIURET OF 1,6 HEXAMETHYLENE DIISOCYANATE  
CAS:28182-81-2  
Fraction by Wt: 30%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: VAPORS/MIST CAN IRRITATE MUCOUS  
MEMBRANES IN RESPIRATORY TRACT CAUSING RUNNY NOSE, SORE THROAT,  
COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH & REDUCED LUNG  
FUNCTION. CHRONIC: REPEATED OVEREXPOSURES OR LARGE SINGLE DOSE MAY  
PRODUCT ISOCYANATE SENSITIZATION IN CERTAIN INDIVIDUALS.  
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 & EYE: REACTS WITH  
MOISTURE & CAN CAUSE IRRITATION, SWELLING, REDNESS, RASH, AND  
TEARING. SKIN ABSORPTION CAN

CAUSE DRYING, DEFATTING & DERMATITIS.

INGESTION: MAY BURN MOUTH, STOMACH TISSUE, & DIGESTIVE TRACT.

Medical Cond Aggravated by Exposure: ISOCYANATE SENSITIZATION, ASTHMA & DERMATITIS

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First Aid Measures  
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First Aid: INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH SOAP & WATER. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE

VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point Method: TCC

Flash Point: 23F, -5C

Lower Limits: 1.0

Upper Limits: 11.5

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

Fire Fighting Procedures: FULL EMERGENCY EQUIPMENT WITH SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. ISOLATE FROM HEAT, FLAME, ETC.

Unusual Fire/Explosion Hazard: HDI VAPORS & OTHER IRRITATING VAPORS MAY BE GENERATED BY COMBUSTION. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

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Accidental Release Measures  
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Spill Release Procedures: EVACUATE ALL NONESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT & NON-SPARKING TOOLS.

Neutralizing Agent: NONE

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Handling and Storage  
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Handling and Storage Precautions: STORE IN BUILDING CONFORMING TO OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, & SPARK SOURCES. KEEP CONTAINER TIGHTLY CLOSED

Other Precautions: KEEP CONTAINERS DRY, CLOSED & UPRIGHT. DO NOT STORE NEAR HIGH TEMPERATURES, FIRE, ETC. DO NOT CONTAMINATE WITH MOISTURE. DO NOT RESEAL CONTAINER IF CONTAMINATED. DO NOT HANDLE UNTIL SAFETY PRECAUTIONS HAVE BEEN READ & UNDERSTOOD.

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posure Controls/Personal Protection =====

Respiratory Protection:NIOSH APPROVED AIR SUPPLIED RESPIRATOR FOR ISOCYANATES IS RECOMMENDED. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS OF THE SOLVENT, HDI & POLYISOCYANATES BELOW THEIR TLV'S.

Protective Gloves:NEOPRENE, RUBBER, OR POLYETHYLENE

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS/GOGGLES

Other Protective Equipment:USE LONG SLEEVE AND LONG LEG CLOTHING.

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING OR USING TOILET. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. DO NOT SMOKE IN USE AREA.

Supplemental Safety and Health

TWO PART RESIN MODIFIED POLYURETHANE COATING;THIS DATA DESCRIBES CATALYST (COMPONENT II),TYPE I MATERIAL OF MIL-C-83286B;ALSO KNOWN AS "DEFTHANE CATALYST"

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

HCC:F2

Boiling P

t:B.P. Text:175 TO 313F

Vapor Pres:29

Vapor Density:>1.0

Spec Gravity:0.9

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, LIGHT AMBER COLORED LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:65

===== 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 WI

TH MOISTURE, MATERIALS WHICH

REACT WITH ISOCYANATES AND HIGH TEMPERATURES.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE,  
OXIDES OF NITROGEN, TRACES OF HCN, HDI.

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

Waste Disposal Methods: WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH  
FEDERAL, STATE & 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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