

DEFT INC CHEMICAL COATING DIV -- CATALYST, 03W040CAT, 17925 UNTINTED -- 8010-00-181-8296

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

Product ID:CATALYST, 03W040CAT, 17925 UNTINTED

MSDS Date:07/29/1988

FSC:8010

NIIN:00-181-8296

Kit Part:Y

MSDS Number: BDGVG

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Info P

Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

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: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:ALIPHATIC ISOCYANATE

CA

S:28182-81-2
RTECS #:NQ9170000
Fraction by Wt: 30%

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)
CAS:822-06-0
RTECS #:MO1740000
ACGIH TLV:0.005 PPM; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 5%
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 50%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

=====
===== 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 ARE IRRIT. TO EYES, NOSE, & THROAT. INHAL: MAY CAUSE HDACHES,DIFFICULT BREATHING & LOSS OF CONSCIOUSNESS. CHRONIC:AS A RESULT OF PREVIOUS REPEATEDOVEREXPOSURE OR A SINGLE LG DOSE,CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATESENSITIZATION WHICH WILL CAUSE THEM TO REACT AT A LATER EXPOSURE OF ISOCYANATE.

Effects of Overexposure:INHAL:HDACHE,DIZZNS,STAGRNG GAIT,CONFUSION,UNCONSCNS,RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM,OR COMA. SK

IN:CAN CAUSE IRRITN,SWELLING,RASH,& REDNESS,DRYING,DE FATTING CAUSING SKIN TO CRACK. EYE:TEARI NG,RDNESS,SWELLING W/STINGING SENSATION.INGST:CORROSIVE ACTION TO MOUTH,STOMACH TISSUE & DIGESTIVE TRACT.

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

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

First Aid:INHAL:MOVE TO AREA FREE FROM RISK OF EXPOSURE.

RESTORE

BREATHING. ASTHMATIC TYPESYMP. MAY DEVELOP LATER. SKIN:REMOVE CONTAM. CLOTHING,WASH AFFECTED AREAS W/SOAP& WATER.WASH CONTAM. CLOTHING BEFORE REU SE.EYE:FLUSH W/CLN LKWARM WTR(LOW PRESS)FOR 15 MINS. LIFTING EYE LIDS.INGST: DONOT INDUCE VOMITING,DONOT GIVE ANYTHING TO UNCONSCIOUS PERSON.SEEK MEDICAL ATTENTION IMMEDIATELY ON ALL SYMPTOMS.

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

Flash Point Method:TCC

Flash Point:23F/-5C

Lower Limits:1

.0

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

Fire Fighting Procedures:WATER MAY BE USED TO COOL CLSD CONTNRS TO PREVENT PRESS BUILD UP,AUTO IGNITION OR EXPLOSION. FIRE FIGHTING EQUIP S.C.B.A. & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:ISOLATE FROM HEAT,SPARKS,ELEC EQUIP, & OPEN FLAME.CLSD CONTAINERS MAY EXPLODE W/EXPOSED TO EXTREME HEAT.

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

Spill Release Procedures:EVACUATE

ALL PERSONNEL.REMOVE ALL SOURCES OF
IGNITION(FLAME,SPARKS,HOT SURFACES).VENTILATE AREA CONTAIN &
REMOVE W/INERT ABSORBENT & NON SPARKING TOOLS.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID STORING NEAR HIGH
TEMP.,FIRE,OPEN FLAMES, & SPARK SOURCES.STORE IN TIGHTLY CLSD
CONTAINERS. STORE IN WELL VENTILATED AREAS.

Other Precautions:KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE.
PREVENT PROLONGED BREATHIN
G OF VAPORS OR SPRAY MISTS. AVOID CONTACT
W/SKIN & EYES. DO NOT TAKE INTERNALLY.

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

Respiratory Protection:OBSERVE OSHA REG. FOR RESPIRATOR USE.
VENTILATION SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW THE
OSHA PERMISSIBLE LIMITS. USE AN AIR SUPPLIED RESPIRA- TOR IF THE
TLV VALUE OF HDI IS OVER THEI R PERMISSIBLE LIMIT.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENT
RATIONS OF S
OLVENT BELOW TLV'S.

Protective Gloves:NEOPRENE,RUBBER,POLYETHYLENE GLOVES

Eye Protection:SAFETY GLASSES,CHEM GOGGLES W/FACESHIELD

Other Protective Equipment:LONG SLEEVE AND LONG LEG CLOTHING. REMOVE
AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

Supplemental Safety and Health

NK

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

HCC:F2

Boiling Pt:B.P. Text:17

5-313F

Vapor Density:> AIR

Evaporation Rate & Reference:2.3

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:74.9

===== 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 W/MOISTURE, MATERIAL WHICH REACT
WITH ISOCYANATES & HIGH TEMPERATURES.

Hazardous Decomposition Products:CARB

ON MONOXIDE/DIOXIDE, & OXIDES OF
NITROGEN, TRACES OF HCN AND HDI

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

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.