

DEFT INC -- MIL-P-53030, RED CRO4 FREE PRI, PC 44R008A -- 8010-01-193-0520

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

Product ID:MIL-P-53030, RED CRO4 FREE PRI, PC 44R008A

MSDS Date:01/28/1991

FSC:8010

NIIN:01-193-0520

Kit Part:Y

MSDS Number: BNCLH

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergenc

y Phone Num:800-424-9300(CHEMTREC)

CAGE:33458

=== Contractor Identification ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:800 424-9300

CAGE:33458

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:N-BUTYL ALCOHOL (SARA III) (VAPOR PRESSURE 4.4 MM HG)

CAS:71-36-3

RTECS #:EO140000

0

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:C8 & 10 AROMATIC HYDROCARBON (VAPOR PRESSURE 3 MM HG)

CAS:64742-95-6

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:DISPERSION AGENT

Fraction by Wt: < 1%

Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: VAPORS IRRITATING TO EYE/NOSE & THROAT. INHALATION MAY CAUSE HEADACHES/DIFFICULT BREATHING & LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT WILL CAUSE DRYING/CRACKING OF THE SKIN. SKIN SENSITIZATION,

ON, ASTHMA, OTHER

ALLERGIC RESPONSES MAY DEVELOP. POTENTIAL FOR KIDNEY AND LIVER DAMAGE.

Effects of Overexposure:INHAL: IRRIT OF RESP TRACT/ACUTE NERV SYS W/HEADACHE/DIZZINESS/STAGGERING GAIT/CONFUSION/UNCONSCIOUS/COMA. SKIN: MOD IRRIT W/SWELLING/REDNESS/RASH/DRYING/DEFATTING. EYE: IRRIT W/TEARING/REDNESS/SWELLING W/STINGING SENSATION. INGEST: IRRIT/POSS CORROSIVE ACTION IN MOUTH/STOMACH TISSUE/DIGEST TRACT. ASPIR FROM VOMITING(*)

Medical Cond Aggravated by Exposure:A

SHTMA AND OTHER RESPIRATORY
DISORDERS. SKIN ALLERGIES, ECZEMA AND DERMITITIS.

*RESULTING IN CHEMICAL PNEUMONITIS.)

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

First Aid:INHAL: MOVE FROM EXPOSED AREA. RESTORE BREATH. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP IMMEDIATE OR DELAYED BY SEVERAL HRS. GET MED AID. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. WASH CLOTHES BEFORE RE-USE. EYE: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR 15 MINS

OCCASIONALLY LIFTING EYELIDS. GET MED AID. INGEST: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1

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

Fire Fighting Procedures:FULL EQUIP WITH SCBA & FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT

EVENT PRESSURE BUILD-UP, AUTO IGNITION, EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP CONTAINERS CLOSED TIGHT. ISOLATE FROM HEAT/SPARKS/ELECTRIC EQUIP/OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES*

=====
===== 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 BUILDING TO COMPLY WITH OSHA 1910.106. AVOID HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENTILATED AREAS.

Other Precautions:KEEP CONTAINERS TIGHT AND UPRIGHT TO PREVENT LEAKAGE. DON'T BREATHE VAPOR/MISTS. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT TAKE INTERNALLY

Y.

READ/UNDERSTAND MFR SAFETY PRECAUTIONS BEFORE HANDLING.

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

Respiratory Protection:RESPIRATOR RECOMMENDED/APPROVED FOR ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING/FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE. VENT SHOULD BE PROVIDED TO KEEP EXPOSURE LEVELS BELOW THE OSHA PERMISSIBLE LIMITS.

Ventilation:EXHAUST VENT SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT

VAPORS/MISTS BELOW THEIR RESPECTIVE TLV'S MUST***

Protective Gloves:COTTON/NEOPRENE/RUBBER/POLYETHYLENE

Eye Protection:SPLSH GUARD/SIDE-FACE SHIELD/CHEM GOGGLE

Other Protective Equipment: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 WASHROOM. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

***BE UTILIZED. ALSO, CONDITIONS OF ADDITIVE TOXIC EFFECTS SHOULD BE

CONSIDERED, SEE ACGIH (THRESHOLD LIMITS VALUES FOR MIXTURES).

REMOVE ALL IGNITION SOURCES (HEAT, SPARKS, FLAME AND HOT SURFACES).

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

HCC:F2

Boiling Pt:B.P. Text:231 - 308 F

Vapor Density:> THAN AI.

Spec Gravity:1.66

Viscosity:**

Evaporation Rate & Reference:0.99 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:RED LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume:43.4

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS AND STRONG ACIDS. EPOXY RESINS UNDER UNCONTROLLED CONDITIONS.

Stability Condition to Avoid:HIGH TEMPERATURES. EPOXY RESINS UNDER UNCONTROLLED CONDITIONS.

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

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

Waste Disposal Methods:DISPOSE OF IN

ACCORDANCE W/FEDERAL/STATE & LOCAL

ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR. DO NOT INCINERATE CLSD CNTNRS. EPA HAZARDOUS WASTE NUMBER/CODE: D001, F003, F005.

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.