

DEFT INC -- CAT, MIL-P-53030, RED CRO4 FREE 44R008ACAT -- 8010-01-193-0520

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Product Identification
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Product ID:CAT, MIL-P-53030, RED CRO4 FREE 44R008ACAT

MSDS Date:07/16/1990

FSC:8010

NIIN:01-193-0520

Kit Part:Y

MSDS Number: BNCLJ

=== 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

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Composition/Information on Ingredients
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Ingred Name:NITROETHANE (VAPOR PRESSURE 20.9 MM HG)

CAS:79-24-3

RTECS #:KI5600000

Fraction by W

t: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: < 5%
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, 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/D
EFATTING. 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:ASHTMA 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 TY

PE

SYMPTOMS MAY DEVELOP IMMEDIATE OR DELAYED BY SEVERAL HOURS. GET MEDICAL AID.
SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. WASH CLOTHES BEFORE RE-USE. EYE: FLUSH WITH CLEAN LUKEWARM WATER (LOW PRESSURE) FOR 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL AID. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL AID.

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Fire Fighting Measures
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Flash Point Method: TCC

Flash Point: 45 F

Lower Limits: 1

Extinguishing

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

Fire Fighting Procedures: FULL EQUIPMENT WITH SCBA & FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION, EXPLOSION.

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

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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 BUILDING TO COMPLY WITH OSHA 1910.106. AVOID HIGH TEMPERATURE/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. DO NOT BREATHE VAPOR/MISTS. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT TAKE INTERNALLY. READ/UNDERSTAND MANUFACTURER SAFETY PRECAUTIONS BEFORE HANDLING.

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Exposure Controls/Personal Protection
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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:SPLASH 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 - 300 F

Vapor Density:> THAN AIR

Spec Gravity

:1.13

Viscosity:**

Evaporation Rate & Reference:1.39 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume:21.9

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND STRONG LEWIS OR MINERAL ACIDS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.

AVOID UNCONTROLLED REACTIONS WITH AMINES.

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 CLOSED CONTAINERS. EPA HAZARDOUS WASTE NUMBER/CODE: D001, F003, F005.

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