
CAT, MIL-P-53030, RED CRO4 FREE 44R008ACAT

MSDS Number

BNCLJ

National Stock Number

8010-01-193-0520

Product Name

CAT, MIL-P-53030, RED CRO4 FREE 44R008ACAT

Manufacturer

DEFT INC

Product Identification

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

DEFT INC

17451 VON KARMAN AVENUE

IRVINE , CA 92714

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 714-474-0400

Cage: 33458

Contractor

DEFT, INC.

IRVINE, CA 92614

US

949-474-0400

Cage: 33461

Ingredients

NITROETHANE (VAPOR PRESSURE 20.9 MM HG)

CAS: 79-24-3

RTECS: KI5600000

Fraction By Weight: 15%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: < 5%

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

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/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:ASHTMA AND OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA AND DERMATITIS.

*RESULTING IN CHEMICAL PNEUMONITIS).

First Aid

First Aid:INHAL: MOVE FROM EXPOSED AREA. RESTORE BREATH. ASTHMATIC TYPE SYMPTOMS MAY DEVELOP IMMEDIATE OR DELAYED BY SEVERAL HRS. GET MED AID. SKIN: RMV CONTAM CLOTHING. WASH W/SOAP & WATER. WASH CLOTHES BEFORE RE-USE. EYE: FLUSH W/CLEAN LUKEWARM WATER (LOW PRESS) 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

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 EQUIP W/SCBA & FULL PROTECT CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. WTR MAY BE USED TO COOL CLSD CNTNRS TO PREVENT PRESS BUILD-UP, AUTO IGNIT, EXPLOSION.
Unusual Fire/Explosion Hazard:KEEP CNTNRS CLSD TIGHT. ISOLATE FROM HEAT/SPARKS/ELEC EQUIP/OPEN FLAME. CLSD CNTNRS MAY EXPLO WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES**

Accidental Release

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

Handling and Storage Precautions:STORE IN BLDG TO COMPLY W/OSHA 1910.106. AVOID HIGH TEMP/FIRE/OPEN FLAMES/SPARK SOURCES. STORE IN TIGHTLY CLSD CNTNRS. STORE IN WELL VENTILATED AREAS.
Other Precautions:KEEP CNTNRS TIGHT AND UPRIGHT TO PREVENT LEAKAGE. DONT BREATHE VAPOR/MISTS. PROLONGED OVEREXPOSURE MAY CAUSE ALLERGIC REACTION. AVOID CONTACT W/SKIN & EYES. DO NOT TAKE INTERNALLY. READ/UNDERSTAND MFR SAFETY PRECAUTIONS BEFORE HANDLING.

Exposure Controls

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).

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

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

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.