CRAWFORD LABORATORIES, INC. -- MIL-C-22750F, ACTIVATOR, PART B, UO-130 -- 8010-01-419-1143

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

Product ID:MIL-C-22750F, ACTIVATOR, PART B, UO-130
MSDS Date:03/08/1996
FSC:8010
NIIN:01-419-1143
Kit Part:Y
MSDS Number: CBVJH
=== Responsible Party ===
Company Name:CRAWFORD LABORATORIES, INC.
Address:4165 SOUTH EMERALD AVENUE
City:CHICAGO
State:IL
ZIP:60609
Country:US
I
nfo Phone Num:312-376-7132
Emergency Phone Num:800-424-9300
Preparer's Name:DAVID SCHMETTERER
CAGE:DO165
=== Contractor Identification ===
Company Name:CRAWFORD LABORATIES, INC
Address:4165 SOUTH EMERALD AVENUE
City:CHICAGO
State:IL
ZIP:60609
Phone:800-424-9300 CHEMTREC
CAGE:DO165
Company Name:CRAWFORD LABORATORIES, INC
Address:4165 SOUTH EMERALD AVENUE
Box:City:CHICAGO
State:IL
ZIP:60609
Country:US
Phone:312-376-7132
CAGE:5V430

========== Composition/Information on Ingredients ==========

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Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III) (VP =
71.2 MMHG)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 40.0%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NH2CH2CH(CH3)(CH2)3NH2 (VP=130.0 MMHG)
CAS:15520-10-2
RTECS #:SA0248500
Fraction by Wt: 25.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT EST.
ACGIH TLV:NOT EST.

Ingred Name:PHENYL CARBINOL (MAY CONTAIN AS IMPURITIES: 100-52-7
BENZALDEHYDE 0
.3%, 103-50-4 DIBENZYL ETHER 0.1%, 150-76-5 0.025%
CAS:100-51-6
RTECS #:DN3150000
Fraction by Wt: 22.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:EPOXY RESIN
CAS:25085-99-8
Fraction by Wt: 9.9%
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZYL DIMETHYLAMINE
CAS:103-83-3
RTECS #:DP4500000
Fraction by Wt: 3.0%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinog

enicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:REPEATED/PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS ASSOCIATED W/PERMANENT BRAIN/NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL O R FATAL. PROLONGED OVEREXPOSURE (INHAL)MAY CAUSE DELAYED LUNG DISEASE.
Explanation of Carcinogenicity:MAY CONTAIN TRACE AMTS OF SOME CHEM KNOWN TO THE STATE OF CATO BE CARCINOGENS OR REPRODCTIVE TOXINS.
Effects o
f Overexposure:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS. ACUTE TOXICITY (HEADACHE, DIZZINESS, NAUSEA, LOSS CONSCIOUSNESS. SEVERE EYE IRRITATION POSSIBLY RESULTING PERMANENT DAMAGE. IRRITATED MUCOUS MEMBRANES. VOMITI NG FROM INGESTION. SKIN DEFATTING/DRYING. SENSITIZATION AFTER REPEATED CONTACT.

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

First Aid:EYE: FLUSH W/PLENTY CLEAN H20 15 MIN, LIFTING LIDS, GET MED ATTN. INHAL: GET FRESH AIR, PROVIDE OXYGEN
IF BREATH DIFFICULT.
GIVE ARTIF RESP IF NOT BREATHING. GET MED ATTN. KEEP VICTIM WARM/QUIET. NEVE R GIVE UNCONS PERSON LIQ. INGEST: CALL DR. IMMED. DON'T INDUCE VOMIT. IF VOMIT SPONTANEOUSLY, KEEP HEAD BELOW HIPS. SKIN: FLUSH W/H20 WHILE REMOVING CONTAM CLOTHES/SHOES. IF IRRIT PERSIST, GET MED AID

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

Flash Point Method:SCC
Flash Point:22.0F,-5.6C
Lower Limits:1.8
Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL & KEEP FLAMMABLE STRUCTURE WETDON'T ENTER FIRE AREA WITHOUT PROPER PROTECTION, HAZARDOUS DECOMP MAY BE PRESENT
Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVER HEATED.

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

Spill Release Procedures:WARNING - FLAMMABLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUS

T BE GROUNDED TO PREVENT SPARKING.
SOAK UP WITHABSORBENT & PLACE IN NON-LEAKING CONATINERS. SEAL TIGHTLY FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:TREAT AS A HAZARDOUS-FLAMMABLE MATERIAL. KNOW APPLICABLE D.O.T. REG. BEFORE ATTEMPTING TO TRANSPORT THIS MATERIAL.
Other Precautions:WARNING: HOT ORGANIC CHEMICAL VAPORS OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED W/AIR. I
GNITION MAY OCCUR @ TEMPS BELOW THOSE PUBLISHED AS AUTOIGNITION/IGNITION TEMPS. IGNITI ON TEMPS DECREASE W/INCREASING VAPOR*

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

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENT TO MAINTAIN VAPOR CONCENTRATE BELOW ESTAB- LISHED TLV LIMIT AS GIVEN BY OSHA. IN MORE CONFINED AREAS A NIOSH/MSHA APPROVED RESPIRATOR EQUIPPED WITH ORGANIC VAPOR C ARTRIDGE SHOULD BE WORN.
Ventilation:MUST PROVIDE ADEQUATE VE
NTILATION, SEE PARAGRAPH ABOVE.
Protective Gloves:USE RUBBER GLOVES
Eye Protection:APPROVED SAFETY GOGGLES &/OR FACE SHIELD
Other Protective Equipment:HAVE EYE BATH & SAFETY SHOWER AVAILABLE.
Supplemental Safety and Health
VOLUME AND VAPOR/AIR CONTACT TIME AND ARE INFLUENCED BY PRESSURE CHANGES. IGNITION MAY OCCUR AT TYPICAL ELEVATED TEMPERATURE PROCESS CONDITIONS, ESPECIALLY IN PROCESS OPERATING UNDER VACUUM IF SUBJECT ED TO SUDDEN INGRESS OF AIR, OUTSIDE PROCESS EQUIPMENT OPERATING

UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS/MIST

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

Boiling Pt:B.P. Text:175 TO 401F
Vapor Density:>AIR
Spec Gravity:0.91
Viscosity:>200 CENTISTO
Evaporation Rate & Reference:3.03 X N-BUTYL ACETATE
Solubility in Water:SLIGHT
Appearance and Odor:CLEAR LIQUID
Percent Volatiles by Volume:70.0

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING AG

ENTS & STRONG ALKALIES. NOT CORROSIVE TO METAL.
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES, STRONG ALKALIES, & OXIDIZING AGENTS.
Hazardous Decomposition Products:INCOMPLETE COMBUSTION OR PRODUCTS LIKE THIS MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND OTHER TOXIC GASES

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE & FEDERAL REG. CONTACT AN APPROVED DISPOSAL FACILITY