

CRAWFORD LABS, INC -- MIL-C-22750F, ACTIVATOR, PART B UO-143 -- 8010-01-419-1153

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

Product ID:MIL-C-22750F, ACTIVATOR, PART B UO-143

MSDS Date:03/07/1996

FSC:8010

NIIN:01-419-1153

Kit Part:Y

MSDS Number: CCKVS

=== Responsible Party ===

Company Name:CRAWFORD LABS, INC

Address:4165 S EMERALD AVE

City:CHICAGO

State:IL

ZIP:60609

Country:US

Info Phone Num:312-376-7132

E

mergency Phone Num:312-433-1307

Preparer's Name:DAVID SCHMETTERER

CAGE:5V430

=== Contractor Identification ===

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 =====

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:NONYL PHENOL (VP = 0.9 MMHG)

CAS:84832-15-3

Fraction by Wt: 40.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:MXDA (METAXYLENE DIAMINE)

CAS:1477-55-0

RTECS #:PF8970000

Fraction by Wt: 20.0%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.1 MG/M3

===== 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: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 OR 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 of Overexposure:OVEREXPOSUR

E 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 H2O 15 MIN, LIFTING LIDS, GET MED

ATTN. INHAL: GET FRESH AIR, PROVIDE OXYGEN IF BREATH DIFFICULT.

G

IVE ARTIF RESP IF NOT BREATHING. GET MED ATTN. KEEP VICTIM
WARM/QUIET. NEVER GIVE UNCONS PERSON LIQ. INGEST: CALL DR. IMMED.
DON'T INDUCE VOMIT. IF VOMIT SPONTANEOUSLY, KEEP HEAD BELOW HIPS.
SKIN: FLUSH W/H2O 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 MUST BE GROUNDED TO PREVENT S
PARKING.

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.
IGNITION 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 VENTILATION, SEE PARAGRAPH A

BOVE.
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 PRESSU
RE IF SUDDEN ESCAPE OF VAPORS/MIST

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

HCC:F2
Boiling Pt:B.P. Text:175 TO 545F
Vapor Density:>AIR
Spec Gravity:0.89
Viscosity:20 CPS
Evaporation Rate & Reference:4.82 X N-BUTYL ACETATE
Solubility in Water:SLIGHT
Appearance and Odor:CLEAR LIQUID
Percent Volatiles by Volume:44.4

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS & STRONG ALKALIES. NO
T 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

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d with this information by the compiling agencies):

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