

CRAWFORD LABORATORIES, INC. -- UO-137 MIL-C-22750E ACTIVATOR, COMP B --
8010-01-316-3039

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

Product ID:UO-137 MIL-C-22750E ACTIVATOR, COMP B

MSDS Date:12/02/1993

FSC:8010

NIIN:01-316-3039

Kit Part:Y

MSDS Number: BVBQB

=== Responsible Party ===

Company Name:CRAWFORD LABORATORIES, INC.

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

State:IL

ZIP:60609

Country:US

Info

Phone Num:312-376-7132

Emergency Phone Num:800-424-9300 CHEMTREC

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

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Country:US

Phone:312-376-7132

CAGE:5V430

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

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Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 71.2 MM HG)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 57%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:200 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:PHENYL CARBINOL

CAS:100-52-7

RTECS #:CU4375000

Fraction by Wt: 16%

Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZALDEHYDE (AS IMPURITY IN PHENYL CARBINOL)

CAS:100-52-7

RTECS #:CU4375000

Fraction by Wt: 0.3%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIBENZYL ETHER (AS IMPURITY IN PHENYL CARBINOL)

CAS:103-50-4

RTECS #:DQ6125000

Fraction by Wt: 0.1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROQUINONE MONOMETHYL ETHER (AS IMPURITY IN PHENYL
CARBINOL)

CAS:150-76-5

RTECS #:SL7700000

Fraction by Wt: 0.025%

Other REC Limits:NONE RECOMMENDED

Ingred Name:REACTION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A

CAS:25085-99-8

Fraction by Wt: 7.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NH₂CH₂CH(CH₃)(CH₂)₃NH₂ (2-METHYL-1,5-P

ENTADIAMINE) (VAPOR
PRESSURE 130 MM HG)

CAS:15520-10-2

RTECS #:SA0248500

Fraction by Wt: 18%

Other REC Limits:NONE RECOMMENDED

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

Health Hazards Acute and Chronic:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS, INCLUDING: ACUTE TOXICITY, RESULTING IN HEADACHE, DIZZINESS, NAUSEA, & LOSS OF CONSCIOUSNESS. SEVERE EYE IRRITATION POSSIBLY RESULTING IN PERMANENT DAMAGE. IRRITATED MUCOUS MEMBRANES. VOMITING DUE TO INGESTION. DEFATTING & DRYING OF SKIN.

SENSITIZATION AFTER REPEATED CONTACT.

Effects of Overexposure:REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS MAY BE HARMFUL OR FATAL.

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

First Aid:EYE:FLUSH W/LOW PRESSR WATER 15 MIN,LIFT EYELIDS.GET MED AID.INHAL:REMOVE

TO FRESH AIR.GIVE OXYGEN IF BREATH DIFFCLT/ARTIF

RESP IF NO BREATH.GET MED AID.KEEP WARM & COMFORTBL.NEVER GIVE UNCONSCIOUS PERSON LIQ.INGEST:CALL DR IMMED.ONLY INDUCE VOMIT OF DR'S INSTRUCTNS.IF VOMIT OCCURS,KEEP HEAD BELOW HIPS.GIVE NOTHING BY MOUTH TO UNCONSCIOUS.SKIN:FLUSH W/WATER,THEN SOAP & WATER.IF IRRIT,GET MED AID.

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

Flash Point Method:SCC

Flash Point:22.0F,-5.6C

Lower Limits:2

Extinguishing Media:

FOAM, CO2, OR DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL & KEEP FLAMMABLE STRUCTURE WET. DON'T ENTER FIRE AREA W/OUT PROTECTION (HAZARDOUS DECOMPOSITN MAY BE PRESENT).

Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

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

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

. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING.
SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL
TIGHTLY FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:FLAMMABLE.KNOW DOT REGS BEFORE
TRANSPORT.HOT ORGANIC CHEM VAPORS SUSCEPTIBLE TO SUDDEN SPONTANEOUS
COMBUSTION WHEN MIXED W/AIR.IGNITION MAY OCCUR AT**

Other Precautions:**TEMP BELOW AUTOIGNIT TEMP.IGNIT TEMP DECREASE
W/I

INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT TIME & PRESSR
CHANGE.HOT VAPOR MAY IGNITE W/AIR BELOW AUTOIGNITN.IGNITN MAY OCCUR
AT HIGH TEMP W/SUDDEN INGRESS OR ESCAPE OF VAPORS TO ATMOSPHERE.

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

Respiratory Protection:IMPORTANT - MUST PROVIDE ADEQUATE VENTILATION TO
MAINTAIN VAPOR CONCENTRATIONS BELOW THE ESTABLISHED TLV LIMIT AS
GIVEN BY OSHA. IN MORE CONFINED AREAS A NIOSH-MSHA APPROVED
RESPIRATOR EQUIPPED WI

TH ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Ventilation:MUST PROVIDE ADEQUATE VENTILATION.

Protective Gloves:USE RUBBER GLOVES

Eye Protection:WEAR SAFETY GOGGLES OR FACE SHIELD.

Other Protective Equipment:HAVE EYE BATH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices:DO NOT REUSE CONTAMINATED CLOTHING OR SHOES.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:174 TO 401F

Vapor Density:> AIR

Spec Gravity:0.86

Viscosity:

70 KU

Evaporation Rate & Reference:3.63 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR LIQUID / SOLVENT ODOR

Percent Volatiles by Volume:79.8

Corrosion Rate:NOT CORR

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

Stability Indicator/Materials to Avoid:YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS AND STRONG ALKALIES.

Stability Condition to Avoid:AVOID HEAT, SPARKS, OPEN FLAMES, AND
INCOMPATIBILITIES.

Hazardous Decomposition Products:INCOMPLETE

TE COMBUSTION FOR 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, AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL FACILITY. EPA HAZARDOUS WASTE CODES: D001. HAZARDOUS WASTE CHARACTERISTICS: IGNITABLE. D ISPOSAL METHOD: FUEL CONSUMPTION.

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