

CRAWFORD LABORATORIES, INC. -- MIL-C-22750E ACTIVATOR, PART B, P/N UO-135 --  
8010-01-350-2071

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

Product ID:MIL-C-22750E ACTIVATOR, PART B, P/N UO-135

MSDS Date:05/18/1994

FSC:8010

NIIN:01-350-2071

Kit Part:Y

MSDS Number: BVGTD

=== Responsible Party ===

Company Name:CRAWFORD LABORATORIES, INC.

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

State:IL

ZIP:60609

Countr

y: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

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Company Name:CRAWFORD LABORATORIES, INC

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Box:City:CHICAGO

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Country:US

Phone:312-376-7132

CAGE:5V430

===== Composition/Information on Ingredient =====

ts =====

Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 71.2 MM HG)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 46%  
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:100-51-6  
RTECS #:DN3150000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZALDEHYDE (MAY BE CONTAINED [0.3%] AS AN IMPURITY IN  
PHENYL CARBINOL)  
CAS:100-52-7  
RTECS #:CU4375000  
Other REC Limi  
ts:NONE RECOMMENDED

Ingred Name:DIBENZYL ETHER (MAY BE CONTAINED [0.1%] AS AN IMPURITY IN  
PHENYL CARBINOL)  
CAS:103-50-4  
RTECS #:DQ6125000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROQUINONE MONOMETHYL ETHER (MAY BE CONTAINED [0.025%] AS  
AN IMPURITY IN PHENYL CARBINOL)  
CAS:150-76-5  
RTECS #:SL7700000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:REACTION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A  
CAS:25085-99-8  
Fraction by Wt: 8.9%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:NH

2CH2CH(CH3)(CH2)3NH2 (VAPOR PRESSURE 130 MM HG)

CAS:15520-10-2

RTECS #:SA0248500

Fraction by Wt: 23%

Other REC Limits:NONE RECOMMENDED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS, INCLUDING: ACUTE TOXICITY (HEADACHE, DIZZINESS, NAUSEA, UNCONSCIOUSNESS). SEVERE EYE IRRITATION (POSSIBLY PERMANENT DAMAGE). IRRITATED MUCOUS MEMBRANES. V

OMIT ING DUE TO INGESTION.

DEFATTING & DRYING OF SKIN. SENSITIZATION AFTER REPEATED CONTACT.

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

First Aid:EYE:FLUSH W/LUKEWRM LOW PRESSR H2O 15 MIN,LIFT EYELID.GET MED AID.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN IF BREATH DIFFICLT.GIVE ARTIF RESP,IF NO BREATH.GET MED AID.KEEP WARM/COMFRTBL.NEVER GIVE UNCONS CIOUS LIQ.INGEST:CALL DR IMMED.INDUCE VOMIT ON DR'S INSTRCTN.IF VOMIT,KEEP HEAD BELOW HIP.NEVER GIVE ANYT

HING TO

UNCONSCIOUS.SKIN:FLUSH W/H2O REMOVING CONTAM CLOTH.WASH W/SOAP&H2O.GET MED AID IF IRRIT

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===== 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 COOL EXPOSED CONTAINER, & TO KEEP FLAMMABLE STRUCTURES WET. DON'T ENTER FIRE AREA WITHOUT PROTECTION BECAUSE DECOMP PRODUCT MAY BE PRESENT.

Unusual Fire/Explosio

n Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE

LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

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===== 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 DIS POSAL.

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

Handli

ng and Storage Precautions:FLAMMABLE. KNOW DOT REGS BEFORE TRANSPORTING.WARNING:HOT ORGANIC CHEMICAL VAPOR OR MIST SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED W/AIR.

Other Precautions:IGNIT MAY OCCUR AT TEMP BELOW AUTOIGNIT/IGNIT TEMPS.IGNIT TEMPS DECREASE W/INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT TIME & INFLUENCED BY PRESSR CHANGE.IGNIT MAY OCCUR AT ELEVATED TEMP,ESPECIALLY IN VACUUM IF SUDDEN INGRESS AIR OR \*

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Exposure Controls/Personal Protection  
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Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW ESTABLISHED TLV LIMIT AS GIVEN BY OSHA. IN MORE CONFINED AREAS NIOSH-MSHA APPROVED RESPIRATOR EQUIPPED WITH ORGANIC V APOR CARTRIDGE SHOULD BE WORN.

Ventilation:MUST PROVIDE ADEQUATE VENTILATION. SEE PARAGRAPH ON RESPIRATORY PROTECTION.

Protective Gloves:USE RUBBER GLOVES.

Eye Protection:WEAR APPROVED SAFETY GOGGLES OR FACESHLD

Other Protective Equipment

:HAVE EYE BATH AND SAFETY SHOWER AVAILABLE.

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

Supplemental Safety and Health

\* OUTSIDE PROCESS EQUIPMENT OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPOR OR MIST TO THE ATMOSPHERE OCCURS. ANY PROPOSED USE SHOULD BE THOROUGHLY EVALUATED TO ASSURE THAT SAFE OPERATING CONDITIONS ARE ESTABLISHED AND MAINTAINED.

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Physical/Chemical Properties  
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HCC:F3

Boiling Pt:B.P. Text:1

74 TO 401F

Vapor Density:> AIR

Spec Gravity:0.86

Viscosity:65 KU

Evaporation Rate & Reference:3.19 X N-BU AC

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR LIQUID / SOLVENT ODOR

Percent Volatiles by Volume:73.3

Corrosion Rate:NOT CORR

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENT AND STRONG ALKALIES.

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

Hazardous Deco

Composition Products:INCOMPLETE COMBUSTION FOR PRODUCTS  
LIKE THIS MAY GENERATE HIGH POISONOUS CARBON MONOXIDE AND OTHER  
TOXIC GASES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT  
LOCAL, STATE, AND FEDERAL REGULATION. CONTACT AN APPROVED DISPOSAL  
FACILITY. EPA HAZARDOUS WASTE CODE: D001, IGNITABLE.

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