

CRAWFORD LABORATORIES, INC. -- MIL-C-22750E ACTIVATOR CLEAR U0-130, PART B --
8010-01-313-8703

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

Product ID:MIL-C-22750E ACTIVATOR CLEAR U0-130, PART B

MSDS Date:03/23/1992

FSC:8010

NIIN:01-313-8703

Kit Part:Y

MSDS Number: BPGLF

=== Responsible Party ===

Company Name:CRAWFORD LABORATORIES, INC.

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

State:IL

ZIP:60609

Coun

try: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

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Company Name:CRAWFORD LABORATORIES, INC

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CAGE:5V430

===== Composition/Information on Ingredi

ents =====

Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 71.2 MM HG)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NONYLPHENOL (CONTAINS A TRACE OF PHENOL, CAS # 108-95-2,
WHICH HAS A TLV VALUE OF 5 PPM) (VAPOR PRESSURE 0.9 MM HG)
CAS:25154-52-3
RTECS #:SM5600000
Fraction by Wt: 35%
Other REC Limits:NONE SPECIFIED

Ingred Name:META XYLENE DIAMIN
E
CAS:1477-55-0
RTECS #:PF8970000
Fraction by Wt: 20%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:0.1 MG/M3

Ingred Name:AMINE ADDUCT
CAS:68738-77-2
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 361 GPL.
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards Acute and Chronic:OVEREXPOSURE:

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
AND DRYING OF THE SKIN. SENSITIZATION AFTER REPEATED CONTACT.
Explanation of Carcinogenicity: THERE IS LIMITED EVIDENCE OF
CARCIOGENICITY OF CRYSTALLINE SILICA TO HUMANS.

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

First Aid: EYE: FLUSH W/CLEAN WATER
WARM LOW PRESSURE WATER 15 MIN,
LIFTING EYELIDS. GET MED AID. INHAL: REMOVE TO FRESH AIR. PROVIDE
OXYGEN IF BREATHING DIFFICULT. GIVE ARTIF RESPIRATION IF NOT
BREATHING. GET MED AID. KEEP WARM & COMFORTABLE. NEVER GIVE
UNCONSCIOUS PERSON LIQUIDS. INGEST: CALL DR. INDUCE VOMIT ONLY ON
INSTRUCT OF DR. IF VOMIT OCCURS, KEEP HEAD BELOW HIPS (PREVENT
ASPIRATION OF LIQ INTO LUNG)*

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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: USE WATER TO KEEP EXPOSED CONTAINERS COOL, &
TO KEEP FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA W/O
PROTECTION BECAUSE HAZARD DECOMP PROD MAY BE PRESENT.
Unusual Fire/Explosion Hazard: WATER PRESSURE MAY SPREAD A FLAMMABLE
LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

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

Spill Release Procedure
s: WARNING - FLAMMABLE. ELIMINATE ALL IGNITION
SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING.
SOAK UP W/ABSORBENT & PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY
FOR PROPER DISPOSAL.

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

Handling and Storage Precautions: HAZARD-FLAMMABLE. KNOW DOT REGS BEFORE
TRANSPORTING. WARNING: HOT ORGANIC CHEMICAL VAPORS/MISTS MAY
SPONTANEOUSLY COMBUST WHEN MIXED W/AIR.
Other Precautions: IGNITION MAY OCCUR

AT TEMPS BELOW PUBLISHED

AUTOIGNIT/IGNIT TEMPS. IGNITION TEMPS DECREASE W/INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT TIME & ARE INFLUENCED BY PRESSURE CHANGES. IGNIT MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS CONDITION**

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

Respiratory Protection:IMPORTANT-MUST PROVIDE VENT TO MAINTAIN VAPOR CONCENTRATIONS BELOW ESTABLISHED TLV LIMIT AS GIVE BY OSHA. IN CONFINED AREAS NIOSH/MSHA RESPIRATOR EQUIPPED WITH ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Ventilation:MUST PROVIDE VENTILATION.

Protective Gloves:USE RUBBER GLOVES.

Eye Protection:WEAR SAFETY GOGGLES &/OR FACE SHIELD.

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

Supplemental Safety and Health

**ESP IN PROCESS OPERATING UNDER VACUUM IF SUBJECTED TO SUDDEN INGRESS OF AIR/OUTSIDE PROCESS EQUIP OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS/MISTS TO ATMOSPHERE OCCURS. PROPOSED USE OF PROD IN

ELEVATED TEMP PROCESSES SHOULD BE EVALUATED TO ASSURE SAFE OPERATING CONDITIONS ESTABLISHED/MAINTAINED.

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

Boiling Pt:B.P. Text:174 TO 567F

Vapor Density:> AIR.

Spec Gravity:0.916

Viscosity:>200 CENTI

Evaporation Rate & Reference:4.67 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR,LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:45.0

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 COMBUSTION FOR PRODUCTS LIKE THIS MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND OTHER TOXIC GASES.

Conditions to Avoid Polymerization:AVOID HEAT, SPARKS, OPEN FLAMES, AND INCOMPATIBILITIES.

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Waste Disposal Considerations =====

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORD W/LOCAL, STATE & FED
REGS. CONTACT APPRV'D DISPOSAL FACILITY. EPA HZD # D001, IGNITABLE.

* SKIN: FLUSH W/WATER WHILE REMOVING CONTAM
CLOTH, SHOES. WA SH W/SOAP & WATER. IF IRRIT PERSISTS, GET MED AID.

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