

CRAWFORD LABORATORIES, INC -- MIL-C-22750F ACTIVATOR -- 8010-01-441-5911  
===== Product Identification =====

Product ID:MIL-C-22750F ACTIVATOR  
MSDS Date:03/07/1996  
FSC:8010  
NIIN:01-441-5911  
Status Code:A  
MSDS Number: CKTXN  
=== 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  
Emergen  
cy Phone Num:(800)424-9300  
Preparer's Name:DAVID SCHMETTERER  
Chemtrec Ind/Phone:(800)424-9300  
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  
CAS:78-93-3  
RTECS #:EL6475000  
= Wt:48.  
OSHA PEL:100 PPM  
ACGIH TLV:200 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:

5000 LBS

Ingred Name:NH<sub>2</sub>CH<sub>2</sub>CH(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>3</sub>NH<sub>2</sub>

CAS:15520-10-2

= Wt:14.

Ingred Name:PHENYLCARBINOL

CAS:100-51-6

RTECS #:DN3150000

= Wt:13.

Ingred Name:BENZALDEHYDE

CAS:100-52-7

RTECS #:CU4375000

= Wt:.3

Ingred Name:DIBENZYL ETHER

CAS:103-50-4

RTECS #:DQ6125000

= Wt:.1

Ingred Name:EPOXY RESIN

CAS:25085-99-8

= Wt:5.7

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

Health Hazards Acute and Chronic:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS INCLUDING: ACUTE TOXICITY, RESULTING IN HEADACHE, DIZZINESS, NAUSEA AND LOSS OF CONSCIOUSNESS. SEVERE EYE IRRITATION POSSIABLY RESULTING IN PERMENT DAMAGE. IRR ITATED MUCUS MEMBRANES. VOMITING DUE TO INGESTION.. DEFATTING AND DRYING OF THE SKIN. SENTIZATION AFTER REPEATED CONTACT.

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

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MIN. OCASSIONALL YLIFTING EYELIDS OPEN. INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHIN

G IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. KEEP VICTIM WARM AND COMFORTABLE. INGESTION: IF SWALLOWED, ONLY INDUCE VOMITING UPON A PHYSICIAN'S INSTRUCTIONS. IF VOMITING OCCURS SPONTANEOUSLY KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SKIN: FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. DO NOT REUSE CONTAMINATED CLOTHING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point Method: SCC

Flash Point: -5.4C, 22.F

22F

Lower Limits: 1.8

Extinguishing Media: FOAM, CO2 OR DRY CHEMICAL

Fire Fighting Procedures: WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL, AND TO KEEP FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION BECAUSE HAZARDOUS DECOMPOSITION PRODUCTS 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: 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.

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

Handling and Storage Precautions: TREAT AS HAZARDOUS FLAMMABLE MATERIAL. HOT OR

ORGANIC VAPORS OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED WITH AIR. IGNITION MAY OCCUR AT TEMPERATURES BELOW THOSE PUBLISHED IN THIS LITERATURE. SEE HARD COPY MSDS FOR FURTHER INFORMATION.

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

Respiratory Protection: IN MORE CONFINED AREAS A NIOSH/MSHA APPROVED RESPIRATOR EQUIPPED WITH ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Protective Gloves: RUBBER GLOVES

Eye Protection: SAFETY GOGGLES OR FACE

CE SHIELD.

Other Protective Equipment:HAVE EYE BATH AND SAFTEY SHOWER AVAILIABLE.

Supplemental Safety and Health

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

Boiling Pt:=79.4C, 175.F

B.P. Text:175-401 DEG. F

Vapor Density:+ AIR

Evaporation Rate & Reference:3.77 N-BUTYL ACETATE

Appearance and Odor:CLEAR SOLVENT ODOR

Percent Volatiles by Volume:80.9

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

Stability Indicator/Materials to Avoid:YES

MAY BE

INCOMPATIBLE WITH OXIDIZING AGENTS AND ALKALINES.

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

Hazardous Decomposition Products:HIGHLY POISONIOUS CARBON MONOXIDE AND  
AND OTHER TOXIC GASSES.

===== Toxicological Information =====

Toxicological Information:SKIN CONTACT: FLUSH WATER WHILE REMOVING  
CONTAMINATED CLOTHNG. WASH WITH SOAP AND WATER. DO NOT REUSE  
CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION.

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===== Ecological Information =====

Ecological:EPA HAZARDOUS WASTE CODE: D001 CHARACTERISTICS:IGNITABLE  
\*HOT ORGANIC CHEMICAL VAPORS/MISTS SUSCEPTIBLE-SUDDEN SPONTANEOUS  
COMBUSTION WH-MIXED W/AIR.IGNITION MAY OCCUR@TEMPERATURES BELOW  
PUBLISHED IN LITERATURE  
AS"AUTOIGNITION"/"IGNITION"TEMPERATURES.IGNITION TEMPERATURES  
DECREASE W/INCREASING VAPOR VOLUME&VAPOR/AIR CONTACT  
TIME&INFLUENCED BY PRESSURE CHANGES.IGNITION MAY OCCUR@TYPICAL  
ELEVA

TEMPERATURE PROCESS CONDITIONS, ESPECIALLY IN PROCESS OPERATING UNDER VACUUM IF SUBJECTED-SUDDEN INGRESS OF AIR/OUTSIDE PROCESS. EQUIPMENT OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS/MIST S-ATMOSHERE OCCURS.

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

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. CONTACT AN APROVED DISPOSAL FACILITY.

===== MSDS Transport Information =====

Transport Information: KNOW APPLICABLE D.O.T. REGULATIONS BEFORE ATTEMPTING TO TRANSPORT THIS MATERIAL .

===== Regulatory Information =====

SARA Title III Information: METHYL ETHYL KETONE  
State Regulatory Information:

===== Other Information =====

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