

CRAWFORD LABORATORIES, INC. -- MIL-C-22750, 34064 GREEN, PART A, M4-047 --  
8010-01-414-8437

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

Product ID:MIL-C-22750, 34064 GREEN, PART A, M4-047

MSDS Date:03/07/1996

FSC:8010

NIIN:01-414-8437

Kit Part:Y

MSDS Number: CBVFL

=== 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

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

ZIP:60609

Country:US

Phone:312-376-7132

CAGE:5V430

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

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Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III) (VP = 71.2 MMHG)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 11.0%

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 2.7%

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:EPOXY RESIN

CAS:25085-99-8

Fraction by Wt: 13.0%

Other REC Limits:NONE RECOMMENDED

In

gred Name:NAPHTHA, LIGHT AROMATIC (VP = 9.0 MMHG)

CAS:64742-95-6

Fraction by Wt: 3.1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:50 PPM 9091

Ingred Name:ALIPHATIC GLYCIDYL ETHER (DILUENT 8)

CAS:68609-97-2

Fraction by Wt: 3.6%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 1.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:SILICONE DIOXIDE (DIATOMACEOUS EARTH)

)  
CAS:68855-54-9  
Fraction by Wt: 10.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT EST.  
ACGIH TLV:NOT EST.

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===== 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  
IN  
HALING THE CONTENTS MAY BE HARMFUL O R FATAL. PROLONGED  
OVEREXPOSURE (INHAL)MAY CAUSE DELAYED LUNG DISEASE.  
Effects of Overexposure:OVEREXPOSURE 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.

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

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First Aid:EYE: FLUSH W/PLENTY CLEAN H2O 15 MIN, LIFTING LIDS, GET MED  
ATTN. INHAL: GET FRESH AIR, PROVIDE OXYGEN IF BREATH DIFFICULT.  
GIVE ARTIF RESP IF NOT BREATHING. GET MED ATTN. KEEP VICTIM  
WARM/QUIET. NEVE R 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

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

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Flash Point Method:SCC  
Flash Point:22.0F,-5.6C  
Lower Limits:1.4  
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.

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===== Accidental Release Measures ===

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

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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. IGNITION TEMPS DECREASE W/INCREASING VAPOR\*

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Exposure Controls/Personal Protection =====

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

Ventilation:MUST PROVIDE ADEQUATE VENTILATION, SEE PARAGRAPH ABOVE.

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 & VAPOR/AIR CONTACT TIME AND ARE INFLUENCED BY PRESSURE CHANGES. IGNITION MAY OCCUR AT TYPICAL ELEVATED TEMPERATURE PROCESS CONDITIONS, ES

PECIALLY IN PROCESS OPERATING UNDER VACUUM IF SUBJECTE D TO SUDDEN INGRESS OF AIR, OUTSIDE PROCESS EQUIPMENT OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS/MIST.

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Physical/Chemical Properties =====

Boiling Pt:B.P. Text:175 TO 344F

Vapor Density:>AIR

Spec Gravity:1.62

pH:NA

Viscosity:64 KU

Evaporation Rate & Reference:3.47 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:GREEN LIQUID, SOLVENT ODOR

Percent Volatiles by Vo

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

Stability Indicator/Materials to Avoid: YES

OXIDIZING AGENTS & STRONG ALKALIES. NOT 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 =====

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Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT  
LOCAL, STATE & FEDERAL REG. CONTACT AN APPROVED DISPOSAL FACILITY

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