

CRAWFORD LABORATORIES, INC. -- MIL-C-22750 16440 GRAY, PART A, M8-094 -- 8010-01-419-1163
===== Product Identification =====

Product ID:MIL-C-22750 16440 GRAY, PART A, M8-094

MSDS Date:03/07/1996

FSC:8010

NIIN:01-419-1163

Kit Part:Y

MSDS Number: CBVKP

=== Responsible Party ===

Company Name:CRAWFORD LABORATORIES, INC.

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

State:IL

ZIP:60609

Country:US

Inf

o 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 =====

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III) (VP =
71.2 MMHG)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 13.0%
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: 9.8%
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: 23.0%
Other REC Limits:NONE RECOMMENDED

Ingred
Name:NAPHTHA, LIGHT AROMATIC (VP = 9.0 MMHG)
CAS:64742-95-6
Fraction by Wt: 1.4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM
ACGIH TLV:50 PPM 9091

Ingred Name:SILICA, CRYSTALLINE - QUARTZ (MAY BE RELEASED BY SANDING
DRIED PAINT FILM)
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 1.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT EST.
ACGIH TLV:0.1 MG/M3 RDUST;9495

Ingred Name:VOC = 331.0 GPL
RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT EST.

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==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES 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
INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. PROLONGED
OVEREXPOSURE (INHAL)MAY CAUSE DELAYED LUNG DISEASE.

Explanation of

Carcinogenicity:FROM INITIAL LIMITED TESTS/STUDIES IARC
CONCLUDES IS LIMITED EVIDENCE OF CARCINOGENICITY FROM CRYSTALLINE
SILICA.

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. VOMITING FROM INGESTION. SKIN DEFATTING/DRYING.
SENSITIZATION AFTER REPEATED CONTACT.

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First Aid Measures

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. NEVER 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

=====
Fire Fighting Measures

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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Accidents and Incidents

ntal Release Measures =====

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.

===== 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*

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

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENT TO MAINTAIN VAPOR CONCENTRATE BELOW ESTABLISHED TLV LIMIT AS GIVEN BY OSHA. IN M

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, ESPECIALLY 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.

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

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

Vapor Density:>AIR

Spec Gravity:1.23

pH:NA

Viscosity:64 KU

Evaporation Rate & Reference:3.45 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:GRAY LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:36.7

===== 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 Consideratio

ns =====

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

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