

CRAWFORD LABORATORIES, INC. -- MIL-C-22750 15102 BLUE, PART A M5-033 -- 8010-01-414-8424
===== Product Identification =====

Product ID:MIL-C-22750 15102 BLUE, PART A M5-033

MSDS Date:03/07/1996

FSC:8010

NIIN:01-414-8424

Kit Part:Y

MSDS Number: CCKTD

=== 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 =====

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III) (VP =
71.2 MMHG)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 15.0%
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: 8.5%
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: 20.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHA, LIGHT AROMATIC (VP = 9.0 MMHG)
CAS:64742-95-6
Fraction by Wt: 1.3%
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: 19.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT EST.
ACGIH TLV:0.1 MG/M3 RDUST;9495

Ingred Name:PHTHALOCYANINE BLUE (C.I. NO. 74160)(CONTAINS CAS#
147-14-87 & 28901-96-4)
Fraction by Wt: 1.1%
Other

REC Limits:NONE RECOMMENDED

OSHA PEL:NOT EST.

ACGIH TLV:NOT EST.

===== 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 O R FAT

AL. PROLONGED

OVEREXPOSURE (INHAL)MAY CAUSE DELAYED LUNG DISEASE.

Explanation of Carcinogenicity:FROM INITIAL LIMITED TESTS/STUDIES IARC

CONCLUDES IS LIMITED EVIDANCE 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. VOMITI NG FROM INGESTION. SKIN DEFATTING/DRYING.

SENSITIZATION AFTER REPEATED CONTACT.

===== 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. 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

===== 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

LI

QUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVER HEATED.

===== Accidental 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 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 SUBJECTED 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

VOC Pounds/Gallon:293

pH:NA

Viscosity:85 KU

Evaporation Rate &

Reference:3.59 X N-BUTYL ACETATE
Solubility in Water:SLIGHT
Appearance and Odor:BLUE LIQUID, SOLVENT ODOR
Percent Volatiles by Volume:37.9

===== 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 GENERA
TE HIGHLY POISONOUS CARBON MONOXIDE AND OTHER TOXIC
GASES

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

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

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

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