

CRAWFORD LABS, INC -- MIL-C-22750 17925 WHITE, PART A M1-051 -- 8010-01-419-1153  
===== Product Identification =====

Product ID:MIL-C-22750 17925 WHITE, PART A M1-051

MSDS Date:03/07/1996

FSC:8010

NIIN:01-419-1153

Kit Part:Y

MSDS Number: CCKVR

=== Responsible Party ===

Company Name:CRAWFORD LABS, INC

Address:4165 S EMERALD AVE

City:CHICAGO

State:IL

ZIP:60609

Country:US

Info Phone Num:312-376-7132

Emergency Phone Num:312-433-1307

Preparer's Name:DAVID SCHMETTERER

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 (2-BUTANONE) (MEK) (SARA III) (VP =  
71.2 MMHG)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 12.0%

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: 8.0%

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: 19.0%

Other REC Limits:NONE RECOMMENDED

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

CAS:64742-95-6

Fraction by Wt: 1.2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:50 PPM 9091

Ingred Name:S

ILICA, CRYSTALLINE - QUARTZ (MAY BE RELEASED BY SANDING  
DRIED PAINT FILM)

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 7.20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT EST.

ACGIH TLV:0.1 MG/M3 RDUST;9495

===== 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 ASSOCIA

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

=====  
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. NEVER GIVE UNCONSCIOUS PERSON LIQ. INGEST: CALL DR. IMMEDIATELY. DON'T INDUCE VOMIT. IF VOMIT SPONTANEOUSLY, KEEP HEAD BELOW HIPS. SKIN: FLUSH W/H2O WHILE REMOVING CONTAM CLOTHES/SHOES. IF IRRITATION PERSISTS, 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 WITHABSORBENT & PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PR

OPER 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, 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.

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

HCC:F2

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

Vapor Density:>AIR

Spec Gravity:1.35

VOC Pounds/Gallon:298

pH:NA

Viscosity:85 KU

Evaporation Rate & Reference:3.5 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:WHITE, SOLVENT ODOR

Percent Volatiles by Volume:36.2

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS & STRONG ALKALIES. NOT CORROSIVE TO METAL.

Stability Condition to Avoid:HEAT, SPA

RKS, 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 =====

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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