

CRAWFORD LABORATORIES INC -- MIL-C-22750, 24533 GREEN, PART A, M4-035 --
8010-01-419-1147

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

Product ID:MIL-C-22750, 24533 GREEN, PART A, M4-035

MSDS Date:03/07/1996

FSC:8010

NIIN:01-419-1147

Kit Part:Y

MSDS Number: CBVJN

=== Responsible Party ===

Company Name:CRAWFORD LABORATORIES INC

Address:4165 S EMERALD AVE

City:CHICAGO

State:IL

ZIP:60609-2646

Country:US

Info

Phone Num:312-376-7132

Emergency Phone Num:312-376-7132

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: 14.0%
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: 3.4%
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: 21.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHA, LIGHT AROMATIC (VP = 9.0 MMHG)
CAS:64742-95-6
Fraction by Wt: 1.9%
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: 17.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT EST.
ACGIH TLV:0.1 MG/M3 RDUST;9495

Ingred Name:ALIPHATIC GLYCIDYL ETHER (DILUENT 8)
CAS:68609-97-2
Fraction by Wt: 2.3%
Other REC Limits:NONE RECOMMENDED

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Ingred Name:SILICONE DIOXIDE (DIATOMACEOUS EARTH)

CAS:68855-54-9

RTECS #:HL8600000

Fraction by Wt: 5.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST

Ingred Name:GREEN PIGMENT (CONTAINS COPPER, CAS# 7440-50-8, WHICH HAS A TLV = 1.0 MG/M3 AS CU DUSTS/MISTS)

CAS:14302-13-7

Fraction by Wt: 0.098%

Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YE

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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 EVIDANCE OF CARCINOGENICIT

Y 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.

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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

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

Flash Point Method:SCC

Flash Point:22.0F,-5.6C

Lower Limits:1.4

Extingu

ishing 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.

===== Accidental Release Measures =====

Spill Release Procedures:WARNING - FLAMMABLE. ELIMINATE ALL IGNIT
ION

SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING.
SOAK UP WITH ABSORBENT & PLACE IN NON-LEAKING CONATINERS. 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 SPONT
ANEOUS COMBUSTION WHEN MIXED W/AIR.

IGNITION MAY OCCUR @ TEMPS BELOW THOSE PUBLISHED AS
AUTOIGNITION/IGNITION TEMPS. IGNITI ON TEMPS DECREASE W/INCREASING
VAPOR*

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

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

ORN.

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

KEY1:F3. *VOLUME AND VAPOR/AIR CONTACT TIME AND ARE INFLUENCED BY PRESS
CHANGES. IGNITION MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS
CONDITIONS, ESPECIALLY IN PROCESS OPERATING UNDER VACUUM IF SUBJECT
ED TO SUDDEN INGRESS OF
AIR, OUTSIDE PROCESS EQUIPMENT OPERATING
UNDER ELEVATED PRESS IF SUDDEN ESCAPE OF VAPORS/MISTS.

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

HCC:F2

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

Vapor Density:>AIR

Spec Gravity:1.42

pH:NA

Viscosity:85 KU

Evaporation Rate & Reference:3.76 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:GREEN LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:34.0

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

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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 =====

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT
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