

CRAWFORD LABORATORIES, INC. -- M1-057 MIL-C-22750E, WHITE 27875, COMP A --
8010-01-350-4733

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

Product ID:M1-057 MIL-C-22750E, WHITE 27875, COMP A

MSDS Date:08/15/1993

FSC:8010

NIIN:01-350-4733

Kit Part:Y

MSDS Number: BVBQX

=== 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 CHEMTREC

Preparer's Name:DAVID SCHMETTERER

CAGE:DO165

=== Contractor Identification ===

Company Name:CRAWFORD LABORATIES, INC

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

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Company Name:CRAWFORD LABORATORIES, INC

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Phone:312-376-7132

CAGE:5V430

===== Composition/Information on Ingredients

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Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 71.2 MM HG)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 14%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III) (VAPOR PRESSURE 38 MM HG)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 3.3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM;STEL 150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:REACT
ION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A
CAS:25085-99-8
Fraction by Wt: 21%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DILUENT 8
CAS:68609-97-2
Fraction by Wt: 2.2%
Other REC Limits:NONE RECOMMENDED

Ingred Name:100 SOLVENT (VAPOR PRESSURE 9 MM HG)
CAS:64742-95-6
Fraction by Wt: 1.7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM
ACGIH TLV:50 PPM

Ingred Name:TITANIUM OXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 22%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:10 MG/M3

Ingr

ed Name:AMORPHOUS SILICA (0-10% OF TITANIUM OXIDE)

CAS:112926-00-8

RTECS #:VV8850000

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINIUM HYDROXIDE (0-9% OF TITANIUM OXIDE)

CAS:21645-51-2

RTECS #:BD0940000

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIATOMACEOUS EARTH

CAS:68855-54-9

Fraction by Wt: 8.2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICON DIOXIDE (CRYSTALLINE) (INGREDIENT MAY BE RELEASED
BY SANDING DRIED PAINT FILM. FOLLOW DUST WARNING)

CAS:14808-60-7

RTECS #:VV7330

000

Fraction by Wt: 15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

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===== Hazards Identification =====

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:ACUTE TOXICITY, RESULTING IN

HEADACHES, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS. SEVERE EYE
IRRITATION POSSIBLY RESULTING IN PERMANENT DAMAGE. IRRITATED MUCOUS
MEMBRANES. VOMITING DUE TO INGESTION. D EFATTING & DRYING OF SKIN.
SENSI

TIZATION AFTER REPEATED CONTACT. SILICOSIS, PERMANENT BRAIN &
NERVOUS SYSTEM DAMAGE.

Explanation of Carcinogenicity:IARC HAS CONCLUDED THAT THERE IS LIMITED
EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICA TO HUMANS.

Effects of Overexposure:INTENTIONAL MISUSE BY DELIBERATELY
CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

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

First Aid:EYE:FLUSH LUKEWARM LOW PRESSR WATER 15 MIN,LIFTING
EYELI

DS.GET MED AID. INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN IF BREATH DIFFICULT.GIVE ARTIF RESPRTN IF NO BREATH.GET MED AID.KEEP WARM & COMFORTABLE.NE VER GIVE UNCONSCIOUS PERSON LIQ. INGEST:CALL DR IMMED.ONLY INDUCE VOMITING ON DR'S INSTRUCTIONS.IF VOMITING OCCURS,KEEP HEAD BELOW HIPS (PREVENT ASPIRATION).NOTHING BY MOUTH TO UNCONSCIOUS PERSON. *

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

Flash Point Method:SCC

Flash Point:22.0F,-5.6C

Lower Limits:0.9

E

xtinguishing Media:FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL & KEEP FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA WITHOUT PROTECTION (HAZARDOUS DECOMP MAY BE PRESENT).

Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

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

Spill Release Procedures:WARNING - FLAMMABLE. ELIMINATE ALL IGNI TION

SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DIS POSAL.

===== Handling and Storage =====

Handling and Storage Precautions:FLAMMABLE.KNOW DOT REGS BEFORE TRANSPORT.HOT ORGANIC CHEM VAPORS SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED W/AIR.IGNITION MAY OCCUR AT**

Other Precautions:**TEMP BELOW AUTOIGNIT TEMP.IGNIT TEMP DECREASE

W/INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT TIME & PRESSR CHANGE.HOT VAPOR MAY IGNITE W/AIR BELOW AUTOIGNITN.IGNITN MAY OCCUR AT HIGH TEMP W/SUDDEN IN GRESS OR ESCAPE OF VAPORS TO ATMOSPHERE.

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

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATION BELOW THE ESTABLISHED TLV LIMIT AS GIVEN BY OSHA. IN MORE CONFINED AREAS A NIOSH-MSHA APPROVED RESPIRATO

R EQUIPPED WITH ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Ventilation: MUST PROVIDE ADEQUATE VENTILATION. SEE RESPIRATORY PROTECTION.

Protective Gloves: USE RUBBER GLOVES

Eye Protection: WEAR APPROVED SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment: HAVE EYE BATH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: DO NOT REUSE CONTAMINATED CLOTHING OR SHOES.

Supplemental Safety and Health

* FIRST AID CONT'D: SKIN CONTACT - FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES

. FOLLOW BY WASHING WITH SOAP AND

WATER. DO NOT REUSE CONTAMINATED CLOTHING OR SHOES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

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

Boiling Pt: B.P. Text: 174 TO 344F

Vapor Density: > AIR

Spec Gravity: 1.54

Viscosity: 73 KU

Evaporation Rate & Reference: 3.68 X N-BUTYL ACETATE

Solubility in Water: SLIGHT

Appearance and Odor: WHITE LIQUID / SOLVENT ODOR

Percent Volatiles by Volume: 34.2

Corrosion Rate: NOT CORR

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

Stability Indicator/Materials to Avoid: YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS AND STRONG ALKALIES.

Stability Condition to Avoid: AVOID HEAT, SPARKS, OPEN FLAMES, AND INCOMPATIBILITIES.

Hazardous Decomposition Products: INCOMPLETE COMBUSTION FOR 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, AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL FACILITY. EPA HAZARDOUS WASTE CODE: D001. HAZARDOUS WASTE CHARACTERISTIC: IGNITABLE. DISPOSAL METHOD: FUEL CONSUMPTION.

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