

CRAWFORD LABORATORIES, INC. -- MIL-E-24635A #26173 GREY L8-010 -- 8010-01-344-5316
===== Product Identification =====

Product ID:MIL-E-24635A #26173 GREY L8-010
MSDS Date:10/20/1993
FSC:8010
NIIN:01-344-5316
MSDS Number: BWFFR
=== 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
E
mergency 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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Phone:800-424-9300 CHEMTREC
CAGE:DO165
Company Name:CRAWFORD LABORATORIES, INC
Address:4165 SOUTH EMERALD AVENUE
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Country:US
Phone:312-376-7132
CAGE:5V430

===== Composition/Information on Ingredients =====

Ingred Name:100

SOLVENT (VAPOR PRESSURE 9. MM HG)

CAS:64742-95-6

Fraction by Wt: 6.9%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:50 PPM

Ingred Name:MINERAL SPIRITS/66 (VAPOR PRESSURE 3.4 MM HG)

CAS:8032-32-4

RTECS #:OI6180000

Fraction by Wt: 16%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM

ACGIH TLV:100 PPM

Ingred Name:TITANIUM OXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 12%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM OXIDE CONTAINS 0-10% AMORP

HOUS SILICA

CAS:112926-00-8

RTECS #:VV8850000

Other REC Limits:NONE RECOMMENDED

Ingred Name:TITANIUM OXIDE CONTAINS 0-9% ALUMINUM HYDROXIDE

CAS:21645-51-2

RTECS #:BD0940000

Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM SILICATE HYDRATE (CONTAINS CRYSTALLINE SILICA AT
GREATER THAN 0.1% BUT LESS THAN 1.0%. MAY VARY SLIGHTLY)

CAS:14807-96-6

RTECS #:WW2710000

Fraction by Wt: 4.9%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:2 MG/M3

Ingred Name:SILICA, CRYSTALLINE (MAY BE RELEASED BY

SANDING THE DRIED
PAINT FILM)

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 27%

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:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:OVEREXPOSURE MAY PRODUCE VARIOUS
EFFECTS, INCLUDING: ACUTE TOXICITY (HEADACHE, DIZZINESS, NAUSEA,
AND UNCONSCIOUSNESS). SEVERE EYE IRRITATION (POSSIBLY PERMANENT
DAMAGE)

. IRRITATED MUCOUS MEMBRANES. V OMITING DUE TO INGESTION.
DEFATTING & DRYING OF SKIN. SENSITIZATION AFTER REPEATED CONTACT.

Explanation of Carcinogenicity:CONTAINS 2-A [53-96-3]
WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A
CARCINOGEN.

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

First Aid:EYE:FLUSH W/LUKEWRM LOW PRESSR H2O 15 MIN,LIFT EYELID.GET MED
AID.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN IF BREATH LABORED.GIVE
ARTIF RESP,IF NO

BREATH.GET MED AID.KEEP WARM/COMFORTBL.NEVER GIVE
UNCONS CIOUS LIQ.INGEST:CALL DR IMMED.INDUCE VOMIT ON DR'S
INSTRCTN.IF VOMIT,KEEP HEAD BELOW HIP.NEVER GIVE ANYTHING TO
UNCONSCIOUS.SKIN:FLUSH W/H2O REMOVING CONTAM CLOTH.WASH
W/SOAP&H2O.GET MED AID IF IRRIT

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

Flash Point Method:SCC

Flash Point:108F,42C

Lower Limits:0.9

Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO

COOL EXPOSED CONTAINER, &

TO KEEP FLAMMABLE STRUCTURES WET. DON'T ENTER FIRE AREA WITHOUT PROTECTION BECAUSE DECOMP PRODUCT 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 - COMBUSTIBLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. SOAK U

P WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:FLAMMABLE. KNOW DOT REGS BEFORE TRANSPORTING.WARNING:HOT ORGANIC CHEMICAL VAPOR OR MIST SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED W/AIR.

Other Precautions:IGNIT MAY OCCUR AT TEMP BELOW AUTOIGNIT/IGNIT TEMPS.IGNIT TEMPS DECREASE W/INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT

T TIME & INFLUENCED BY PRESSR CHANGE.IGNIT MAY OCCUR AT ELEVATED TEMP,ESPECIALLY IN VACUUM IF SUDDEN INGRESS AIR OR *

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

Respiratory Protection:USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WHERE VENTILATION IS INADEQUATE.

Ventilation:MUST PROVIDE ADEQUATE VENTILATION.

Protective Gloves:USE RUBBER GLOVES.

Eye Protection:WEAR APPROVED SAFETY GOGGLES

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

Work

Hygienic Practices:DO NOT REUSE CONTAMINATED CLOTHING OR SHOES.

Supplemental Safety and Health

* OTHER PRECAUTIONS CONT'D: OUTSIDE PROCESS EQUIPMENT OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPOR OR MIST TO THE ATMOSPHERE OCCURS. ANY PROPOSED USE SHOULD BE THOROUGHLY EVALUATED TO ASSURE THAT SAFE OPERATING CONDITIONS ARE ESTABLISHED AND MAINTAINED.

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

Boiling Pt:B.P. Text:308 TO 396F

Vapor Density:

> AIR
Spec Gravity:1.36
Viscosity:85 KU
Evaporation Rate & Reference:0.11 X N-BU AC
Solubility in Water:SLIGHT
Appearance and Odor:GREY LIQUID / SOLVENT ODOR
Percent Volatiles by Volume:39.9
Corrosion Rate:NOT CORR

===== 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. ALSO,
AIRCRAFT TRANSPORT MUST BE IN STR
ICT ACCORDANCE WITH APPLICABLE
REGULATIONS.
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, IGNITABLE.

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