

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  
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  
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:10

0 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% AMOR

PHOUS 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 N

O 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 IGNITIOIN  
SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING.  
SOAK  
UP 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  
CONTA  
CT 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 APPORVED 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.  
Wor  
k 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 A SSURE 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 STRICT 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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