

CRAWFORD LABS, INC -- LACQUER OLIVE DRAB 34088 -- 8010-00-190-3360

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Product Identification
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Product ID:LACQUER OLIVE DRAB 34088

MSDS Date:08/05/1992

FSC:8010

NIIN:00-190-3360

MSDS Number: BRFMH

=== 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

Prepar

er'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

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Composition/Information on Ingredients
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Ingred Name:TOLUENE (SARA 313) (VAPOR PRESSURE 38 MM HG) (CONTAINS A
TRACE OF BENZENE)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 20-50%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

AC

GIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA 313) (VAPOR PRESSURE 33 MM HG)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 5-20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500 STEL

Ingred Name:ISOBUTYL ISOBUTYRATE (VAPOR PRESSURE 3.2 MM HG)
CAS:97-85-8
RTECS #:NQ5250000
Fraction by Wt: 5-20%
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYL ETHYL KETONE (SARA 313) (VAPOR PRESSURE 71.2 MM HG)
CAS:78-93-3
RTE
CS #:EL6475000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313) (VAPOR PRESSURE 15 MM HG)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 5-20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NORMAL BUTYL ALCOHOL (SARA 313) (VAPOR PRESSURE 4.8 MM HG)
CAS:71-36-3
RTECS #:EO

1400000

Fraction by Wt: 5-20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:LEAD (SARA 313) (WARNING-DRIED FILM OF THIS PAINT MAY BE
HARMFUL IF EATEN OR CHEWED) (KEEP OUT OF REACH OF CHILDREN)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3

ACGIH TLV:.15 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:CHROMATE (AS CR+6)

CAS:1333-82-0

RTECS #:GB66

50000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:.1 MG/M3

ACGIH TLV:.05 MG/M3

Ingred Name:CRYSTALLINE SILICA

CAS:14464-46-1

RTECS #:VV7325000

Fraction by Wt: 5-20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:SEE TABLE Z3

ACGIH TLV:0.05 MG/M3 RDUST9293

Ingred Name:MAGNESIUM SILICATE HYDRATE

CAS:14807-96-6

RTECS #:MW2700000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:2 MG/M3

Ingred Name:DIOCTYL PHTHALATE (SARA 313) (VAPOR PRESSURE 1.2 MM HG)

CAS:117-81-7

RTECS

#:TI0350000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:5 MG/M3
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:NITROCELLULOSE
CAS:9004-70-0
RTECS #:WG2934500
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:TALC (ALSO CONTAINS LESS THAN 5% OF DOLOMITE, CHLORITE,
QUARTZ (CAS# 14808-60-7), CALCITE (CAS# 1317-65-3)
CAS:14807-96-6
RTECS #:MW2700000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED

Ingred Name:VOC 617 G/L
Other REC Limits:NONE SPECIFIED

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===== 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:ACUTE TOXICITY, RESULTING IN HEADACHE,
DIZZINESS, NAUSEA AND LOSS OF CONSCIOUSNESS. SEVERE EYE IRRITATION
POSSIBLY RESULTING IN PERMANENT DAMAGE. IRRITATED MUCOUS MEMBRANES.
VOMITING DUE TO INGESTION. DEFATTING AND
DRYING OF THE SKIN.
SENSITIZATION AFTER REPEATED CONTACT. IF INGESTED, LIQUID OR MIST
MAY CAUSE MODERATE*
Explanation of Carcinogenicity:CRYSTALLINE SILICA & MAGNESIUM SILICATE
HYDRATE ARE LISTED BY IARC ALONG W/DIOCTYL PHTHALATE AS POTENTIAL
CARCINOGENICS
Effects of Overexposure:*GASTRIC AND SYSTEMIC UPSET, INCLUDING NAUSEA
AND ABDOMINAL CRAMPS

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

First Aid:EYE: FLUSH W/LUKEWARM LOW PRESS WTR 15 MINS, LIFT L

IDS. GET

MED AID. INHAL: REMOVE TO FRESH AIR-GIVE OXYGEN IF BREATH DIFF & ARTIF RESP IF NOT BREATH. GET MED AID. KEEP WARM/COMFY NEVER GIVE UNCONSCIOUS PERSON LIQ. INGEST: CALL DR IMMED. INDUCE VOMIT BY DR INSTRUCT ONLY. IF VOMIT OCCURS SPONTANEOUSLY-KEEP HEAD BELOW HIPS TO PREVENT ASPIR OF LIQ INTO LUNGS. NOTHING BY MOUTH TO UNCONSCIOUS PERSON

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

Flash Point Method:SCC

Flash Point:25.0F,-3.9C

Lower Limi

ts:0.28

Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL

Fire Fighting Procedures:MAY USE WTR TO KEEP EXPOSED CNTNRS

COOL/FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION AS HAZARDOUS DECOMP PRODUCTS MAY BE PRESENT

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

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

Spill Release Procedures:WARNING-FLAMMABLE. ELIMINATE

ALL IGNITION

SOURCES. HANDLING EQUIPMENT MUST BE FOUNDED TO PREVENT SPARKING.

SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISPOS AL.

Neutralizing Agent:N/K FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. FOLLOW

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

Handling and Storage Precautions:TREAT AS HAZ-FLAMM MATL. KNOW APPLIC D.O.T REG BEFORE ATTEMPT TRANSPORT OF MATL. "WARNING: HOT ORGANIC CHEM VAPORS/MIST ARE SUSCEPTIBLE TO SUDDEN#

Other Precautions:#SPONTANEOUS COMBUST WHEN MIXED W/AIR. IGNIT MAY OCCUR AT TEMP BELOW THOSE PUBLISHED IN THE LITERATURE AS "AUTOIGNITION"/"IGNITION" TEMP. IGNIT TEMP DECREASE W/INCREAS VAPOR VOL & VAPOR/AIR CONTACT TI ME & ARE INFLUENCED BY PRESS CHANGES.##

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

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW T

THE 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 ADEQ VENT. ##IGNIT MAY OCCUR AT TYPICAL
ELEVATED TEMP PROCESS CONDTN, ESP IN PROCESS OPERATING UNDER+

Protective Gloves: RUBBER

Eye Protection: APPROVED SAFETY GOGGLES/FACE SHIELDS

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

Work Hygienic Practices: N/K +VACUUM IF SUBJECTED TO SUD

DEN INGRESS

OF AIR OR OUTSIDE PROCESS EQUIP OPERATING UNDER ELEVATED PRESSURE
IF++

Supplemental Safety and Health

++SUDDEN ESCAPE OF VAPORS OR MISTS TO THE ATMOSPHERE OCCURS. ANY
PROPOSED USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES
SHOULD BE THOROUGHLY EVALUATED TO ASSURE THAT SAFE OPERATING
CONDITIONS ARE ESTABLISHED AND MAINTAINED

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

HCC:F2

Boiling Pt: B.P. Text: 174-446F

Vapor Density: > THAN AIR

Sp

ec Gravity: 1.12

Evaporation Rate & Reference: 1.36 X N-BUTYL ACETATE

Solubility in Water: SLIGHT

Appearance and Odor: GREEN LIQUID

Percent Volatiles by Volume: 73.2%

Corrosion Rate: NONCORR

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

Stability Indicator/Materials to Avoid: YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS AND STRONG ALKALIES

Stability Condition to Avoid: HEAT, SPARKS, OPEN FLAMES &

INCOMPATIBILITIES SUCH AS OXIDIZING AGENTS AND STRONG ALKALIES

Hazardous Dec

omposition 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 REGULATION. CONTACT AN APPROVED DISPOSAL
FACILITY. BY WASHING WITH SOAP AND WATER. DO NOT REUSE
CONTAMINATED CLOTHING OR SHOES. IF IRRITATION PERSISTS, GET
MEDICAL ATTENTION.

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