

CRAWFORD LABORATORIES, INC. -- TT-S-176 SEALER R0-054 -- 8010-00-243-0962

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

Product ID:TT-S-176 SEALER R0-054

MSDS Date:06/23/1995

FSC:8010

NIIN:00-243-0962

MSDS Number: BZHVZ

=== 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:MINERAL SPIRITS/66 (V

APOR PRESSURE 3.4 MM HG)
CAS:8032-32-4
RTECS #:OI6180000
Fraction by Wt: 28.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:500 PPM
ACGIH TLV:100 PPM

Ingred Name:URETHANE CATALYST (TLV IS LISTED AS 0.1 MG SN/M3 AND
STEL=0.2 MG/M3)
CAS:77-58-7
RTECS #:WH7000000
Fraction by Wt: 0.011%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:0.1 PPM

Ingred Name:VOC: 514 GPL
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

Health Hazards Acu
te and Chronic:OVEREXPOSURE MAY PRODUCE VARIOUS
EFFETS, INCLUDING: ACUTE TOXICITY (HEADACHE, DIZZINESS, NAUSEA,
UNCONSCIOUSNESS). SEVERE EYE IRRITATION (PERMANENT DAMAGE).
IRRITATED MUCOUS MEMBRANES. VOMITING DUE TO INGESTION. DEFATTING &
DRYING OF SKIN (IRRIT & DERMATITIS). SENSITIZATION AFTER REPEATED
CONTACT.

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

First Aid:EYE:FLUSH W/WATER 15 MIN,EYELIDS APART.GET MED AID.INHAL:MOVE
TO FRESH AIR.GIVE
OXYGEN IF BREATHING DIFFICULT.GIVE ARTIF RESP IF
NOT BREATHING.GET MED AID.KEEP WARM/COMFORTABLE.NEVER GIVE
UNCONSCIOUS PERSON LIQ.INGEST:CALL DR IMMED.INDUCE VOMIT ON DR'S
INSTRUCTIONS.IF VOMITING KEEP HEAD BELOW HIPS. NEVER GIVE
UNCONSCIOUS PERSON LIQ. SKIN: FLUSH W/WATER, REMOVE CONTAM
CLOTHES.IF IRRIT GET MED AID.

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

Flash Point Method:SCC
Flash Point:101F,38C
Lower Limits:0.9
Extinguishing Media:FOAM, C

O2, OR DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL/KEEP FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA W/O PROTECTION (HAZARDOUS DECOMPOSITION PRODUCTS).

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

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

Spill Release Procedures:WARNING-COMBUSTIBLE. ELIMINATE ALL IGNITION SOURCES. HANDLING E

QUIPMENT MUST BE GROUNDED TO PREVENT SPARKING.

WEAR PROTECTIVE CLOTHING (SEE CONTROL MEASURES). SOAK UP WITH ABSORBENT & PLACE IN NON-LEAKING CONTAINER. SEAL TIGHTLY FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:H2D-COMBUSTBL. STORE IN COOL, DRY PLACE (BLDGs FOR COMBUST LIQ STORAGE). HOT ORGANIC CHEM VAPOR SUSCEPTIBLE TO SPONTANEOUS COMBUSTION WHEN MIXED W/AIR.

Other Precautions:IGNIT TEMPS DECREASE W/ INCREASE VAPOR VOL & VAPOR/AIR

CONTACT TIME/INFLUENCED BY PRESSURE CHANGES.IGNIT MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS CONDITIONS(OPERATING VACUUM IF SUDDEN INGRESS OF AIR/ OUTSIDE EQUIP OPERATED UNDER ELEV PRESSURE)

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

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

Ventilation:MUST PROVIDE ADEQUATE VENT.

Protective Gloves:USE RUBBER GLOVES

Eye Protection:WEAR

APPROVED SAFETY GOGGLES

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

Supplemental Safety and Health

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

HCC:F4

Boiling Pt:B.P. Text:308 TO 484F

Vapor Density:> AIR

Spec Gravity:0.87

Evaporation Rate & Reference:0.08 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:65.6

Corrosion Rate:NOT CORR

===== Stability and Rea

ctivity Data =====

Stability Indicator/Materials to Avoid: YES

MAY BE INCOMPATIBLE WITH STRONG OXIDIZING AGENTS AND STRONG ALKALIES.

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

INCOMPATIBILITIES ABOVE. ALSO AIRCRAFT TRANSPORT MUST BE IN STRICT
ACCORD W/REGS.

Hazardous Decomposition Products: INCOMPLETE COMBUSTION FOR PRODUCTS

LIKE THIS MAY FORM HIGHLY POISONOUS CARBON MONOXIDE AND OTHER TOXIC
GASES.

Conditions to Avoid Polymerization: AVOID HEAT,

SPARKS, OPEN FLAMES, AND

INCOMPATIBILITIES ABOVE. ALSO AIRCRAFT TRANSPORT MUST BE IN STRICK
ACCORD W/REGS.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT

LOCAL, STATE, AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL
FACILITY.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The U

nited States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their

particular situation.