

CRAWFORD LABORATORIES, INC. -- TT-S-176 SEALER R0-054 -- 8010-00-243-0961  
===== Product Identification =====

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

MSDS Date:06/23/1995

FSC:8010

NIIN:00-243-0961

MSDS Number: BZHVY

=== 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

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===== 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.

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===== 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.

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===== 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:HZD-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.

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