

CRAWFORD LABS, INC -- TPD-24607 WHITE 27880 P/C HI-022 -- 8010-01-344-5100
===== Product Identification =====

Product ID:TPD-24607 WHITE 27880 P/C HI-022

MSDS Date:11/15/1993

FSC:8010

NIIN:01-344-5100

MSDS Number: BSZBG

=== 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

Preparer'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

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

Ingred Name:100 SOLVENT (VAPOR PRESSURE 9. MM HG)

CAS:64742-95-6

Fraction by Wt: 5.3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:50 PPM

Ingred Name:1,2,4-TRIMETHYLBENZENE

(SARA III) (VAPOR PRESSURE 1.7 MM HG)
CAS:95-63-6
RTECS #:DC3325000
Fraction by Wt: 2.6%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:25 PPM

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 17%.
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1.2%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:10 MG/M3

Ingred Name:SILICON DIOXIDE
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 0.9
0%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:0.1 MG/M3

Ingred Name:MINERAL SPIRITS/66 (VAPOR PRESSURE 3.4 MM HG)
CAS:8032-32-4
RTECS #:OI6180000
Fraction by Wt: 11%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:100 PPM

Ingred Name:VOC: 340 LBS/GAL MAX
RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

Health Hazards Acute and Chronic:OVEREXPOSURE MAY PRODUCE FOLLOWING EFFECTS: ACUTE TOXICITY, RESULTING

IN HEADACHE, DIZZINESS, NAUSEA,
UNCONSCIOUSNESS. SEVERE EYE IRRITATION RESULTING IN POSSIBLE
PERMANENT DAMAGE. IRRITATED MUCOUS MEMBRANES. VOMITING DUE TO
INGESTION. DEFATTING & DRYING OF THE SKIN. SENSITIZATION AFTER
REPEATED CONTACT.

Explanation of Carcinogenicity: CANCER CAUSING AGENT: SILICON DIOXIDE

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

First Aid: EYE: FLUSH W/WATER 15 MIN, LIFT EYELID. GET MED AID. INHAL: REMOVE
TO FRESH AIR. GIVE OXYGEN IF BR
EATHING DIFFICULT. GIVE ARTIF RESP IF
NO BREATH. GET MED AID. KEEP WARM & COMFORTABLE. INGEST: CALL DR
IMMED. ONLY INDUCE VOMIT ON DR'S ORDERS. IF VOMIT OCCURS, KEEP HEAD
BELOW HIPS. NOTHING BY MOUTH TO UNCONSCIOUS. SKIN: FLUSH W/WATER WHILE
REMOV CONTAM CLOTH/SHOES (DISCARD). WASH W/SOAP & WATER. IF IRRIT,
GET MED AID.

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

Flash Point Method: SCC

Flash Point: 100F, 38C

Lower Limits: 0.9

Extinguishing Media: FOAM, CO2, OR DRY C
HEMICAL

Fire Fighting Procedures: WATER MAY BE USED TO COOL EXPOSED CONTAINERS,
& TO KEEP FLAMMABLE STRUCTURES WET. DON'T ENTER FIRE WITHOUT PROPER
PROTECTION BECAUSE HAZARDOUS DECOMP 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 GROUNDED TO PREVENT SPARKING.
SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL
TIGHTLY FOR PROPER DISPOSAL.

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

Handling and Storage Precautions: HAZARDOUS-FLAMMABLE. KNOW DOT
REGULATIONS BEFORE TRANSPORTING. HOT ORGANIC CHEM VAPOR SUSCEPTIBLE
TO SPONTANEOUS COMBUSTION WHEN MIXED W/AIR.

Other Precautions: IGNITION MAY OCCUR AT TEMP BELOW PUBLISHED AS
AUTOIGNITION OR IGNITION TEMPS. IG

NITION TEMPS DECREASE WITH
INCREASING VAPOR VOLUME AND VAPOR/AIR CONTACT TIME AND ARE
INFLUENCED BY PRESSURE CHANGES.

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

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO
MAINTAIN VAPOR CONCENTRATION BELOW 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 ADEQUATE V
ENTILATION.

Protective Gloves:USE RUBBER GLOVES

Eye Protection:SAFETY GOGGLES AND/OR FACE SHIELD

Other Protective Equipment:HAVE EYE BATH AND SAFETY SHOWER AVAILABLE

Supplemental Safety and Health

IGNIT MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS CONDITIONS, ESPECALLY
IN PROCESS OPERATING UNDER VACUUM IF SUBJECTED TO SUDDEN INGRESS OF
AIR OR OUTSIDE PROCESS EQUIP OPERATING UNDER ELEVATED PRESSUR E IF
SUDDEN ESCAPE OF VAPOR TO ATMOSPHERE OCCURS. EVALUATE TO ASSURE
SAFETY ANY PROPOS

ED USE IN ELEVATED TEMP PROCESSES.

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

HCC:F4

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

Vapor Density:> AIR

Spec Gravity:1.62

Viscosity:90 KU

Evaporation Rate & Reference:0.11 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:WHITE LIQUID; SOLVENT ODOR

Percent Volatiles by Volume:36.2

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

Hazardous Decomposition Products:INCOMPLETE COMBUSTION FOR PRODUCTS
LIKE THIS MAY GENERATE. HIGHLY POISONOUS CARBON MONOXIDE AND OTHER
TOXIC GASES.

Conditions to Avoid Polymerization:AVOID HEAT, SPARKS, OPEN FLAMES

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT
LOCAL, STATE

, AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL FACILITY. DISPOSAL METHODS: FUEL CONSUMPTION. HAZARDOUS WASTE CHARACTERISTIC: IGNITABLE. EPA HAZARDOUS WASTE CODE: D001.

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