

CRAWFORD LABS, INC -- NON FLAMING ENAMEL, TPD 24607 WHITE 27880 -- 8010-01-344-5100  
===== Product Identification =====

Product ID:NON FLAMING ENAMEL, TPD 24607 WHITE 27880

MSDS Date:03/12/1993

FSC:8010

NIIN:01-344-5100

MSDS Number: BRGPG

=== 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

Eme

Agency 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: 2.8%

Other REC Limits:NONE SPECIFIED

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 SPECIFIED

ACGIH TLV:25 PPM

Ingred Name:TRIMETHYLBENZENES (VAPOR PRESSURE 1.8 MM HG)

CAS:25551-13-7

RTECS #:DC3220000

Fraction by Wt: 2.6%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:25 PPM

Ingred Name:MINERAL SPIRITS/66 (VAPOR PRESSURE 3.4 MM HG)

CAS:8032-32-4

RTECS #:OI6180000

Fraction by Wt: 9.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM

ACGIH TLV:100 PPM

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 1.2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ZINC SULFIDE (RELEASED BY SANDING DRIED PAINT FILM)

CAS:1314-98-3

Fraction by Wt: 0.45%

Other REC Limits:NONE SPECIFIED

Ingred Name:PETROLEUM DISTILLATES

Fraction by Wt: 2.2%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:100 PPM

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

Routes of Entry: I

nhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:ACUTE TOXICITY, RESULTING IN HEADACHE, DIZZINESS, NAUSEA, UNCONSCIOUSNESS. SEVERE EYE IRRITATION POSSIBLY RESULTING IN PERMANENT DAMAGE. IRRITATED MUCOUS MEMBRANES. VOMITING DUE TO INGESTION. DEFATTING AND DRYING OF SKIN, MAY RESULT IN DERMATITIS & IRRITATION. SENSITIZATION AFTER REPEATED CONTACT.  
Explanation of Carcinogenicity:RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.

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=== First Aid Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN,HOLD EYELID OPEN. GET MED AID.INHAL:REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT,ARTIF RESPIRTN IF NOT BREATHING. GET MED AID.KEEP WARM & COMFORTABLE. NOTHING BY MO UTH TO UNCONSCIOUS. INGEST:CALL DR IMMED.INDUCE VOMIT ONLY ON DR'S INSTRUCTS.KEEP HEAD BELOW HIPS (PREVENT ASPIRATN).SKIN:FLUSH W/WATER REMOVING CONTAM CLOTH.WASH W/SOAP & WATER.IF IRRIT, GET MED AID.

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

Flash Point Method:TCC  
Flash Point:100F,38C  
Lower Limits:0.9  
Extinguishing Media:FOAM, CO2, DRY CHEMICAL  
Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL, & TO KEEP FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA W/O PROPER PROTECTION (HAZARD DECOMP PRESENT).  
Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A COMBUSTIBLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

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=== Accidental Release Measures =====

Spill Release Procedures:WARNING - COMBUSTIBLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. WEARING PROTECTIVE CLOTHING. SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISPOSAL. EPA #D001.

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

Handling and Storage Precautions:HAZARD-COMBUSTBL.STORE IN COOL,DRY PLACE IN BLDG

S FOR COMBUST LIQ.EVALUATE USE IN ELEVATED TEMP PROCESSES TO ASSURE SAFETY.HOT ORGANIC CHEM VAPOR APT\*  
Other Precautions:\*TO SUDDEN COMBUSTN WHEN MIXED W/AIR.IGNIT TEMPS DECREASE W/INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT TIME & INFLUENCED BY PRESSR CHANGES.IGNIT MAY OCCUR AT ELEVATD TEMPS,ESP WHEN VACUUM IF SUDDEN A IR INGRESS/ESCAPE OF VAPOR TO ATMOSPHERE

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

Respiratory Protection:USE NIOSH APPROVED ORGANIC VAPOR RESPIRATORS

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.

Work Hygienic Practices:DO NOT REUSE CLOTHING OR SHOES UNTIL CLEANED.

Supplemental Safety and Health

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

HCC:F4

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

Vapor Density:> AIR

Spec Gravity:1.61

Viscosity:90 KU

Evaporation Rate & Reference:0.1 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:WHITE LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:27.7

Corrosion Rate:NOT CORR

===== Stability and Reactivity 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, &

INCOMPATIBILITIES. ALSO AIRCRAFT TRANSPORT MUST

BE IN ACCORD

W/APPLICABLE REGULATIONS

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, &

INCOMPATIBILITIES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATION. CONTACT AN APPROVED DISPOSAL F

ACILITY.

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