

CRAWFORD LABS, INC -- H8-010 -- 8010-01-344-5102

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

Product ID:H8-010

MSDS Date:12/06/1993

FSC:8010

NIIN:01-344-5102

MSDS Number: BTTDC

=== 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:312-376-7132 800-424-9300(CHEMTREC)

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:NAPHTHA, LIGHT AROMATIC

CAS:64742-95-6

Fraction by Wt: 5.3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM (NAPHTHA)

ACGIH TLV:400 PPM (NAPHTHA)

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: 2.6%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV

:25 PPM; 9394

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 19%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 4.4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9394

Ingred Name:VM&P NAPHTHA (LIGROINE)
CAS:8032-32-4
RTECS #:OI6180000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PE
L:300 PPM
ACGIH TLV:300 PPM; 9394

Ingred Name:VOLATILE ORGANIC COMPOUNDS
RTECS #:9999999VO
Fraction by Wt: 56.1%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION,POSSSIBLE
DAMAGE.SKIN:MAY CAUSE IRRITATION AND DEFATTING.INGEST:MAY CAUSE GI
TRACT IRRITATION.INHAL:M
AY CAUSE RESPIRATORY IRRITATION.
Explanation of Carcinogenicity:SILICON DIOXIDE IS A POTENTIAL
CARCINOGEN.
Effects of Overexposure:INHAL:HEADACHE,DIZZINESS,NAUSEA,POSSIBLE LOSS
OF CONSCIOUSNESS.INGEST:VOMITING.SKIN:SENSITIZATION.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND

WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.INDUCE VOMITING ONLY UNDER THE ADVICE OF A PHYSICIAN.IF SPONTANEOUS VOMITING OCCURS,KEEP HEAD BELOW HIPS.

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

Flash Point Method:SCC

Flash Point:100F,38C

Lower Limits:0.9

Extinguishing Media:FOAM,DRY CHEMICAL,CARBON DIOXIDE.

Fire Fighting Procedures:

USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:WATER SPRAY MAY SPREAD BURNING LIQUID.CONTAINERS MAY BURST FROM HEAT OF FIRE.VAPORS CAN FORM EXPLOSIVE MIXTURES WITH AIR.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.USE NON-SPARKING TOOLS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:USE CAUTION WHEN USING WITH HIGH HEAT;VAPORS CAN FORM EXPLOSIVE MIXTURES WITH AIR.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND

BEFORE EATING.
Supplemental Safety and Health
NONE

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

HCC:F4
Boiling Pt:B.P. Text:308F-396F
Vapor Density:>1
Spec Gravity:1.65
Viscosity:87 KU
Evaporation Rate & Reference:0.13 (N-BUTYL ACETATE=1)
Solubility in Water:SLIGHT
Appearance and Odor:LIQUID;GRAY;SOLVENT ODOR.
Percent Volatiles by Volume:34.2

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS AND ALKALIES.
Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.
Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.

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