

CRAWFORD LABS, INC -- H1-022 -- 8010-01-344-5100

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

Product ID:H1-022  
MSDS Date:09/02/1993  
FSC:8010  
NIIN:01-344-5100  
MSDS Number: BTTDB  
=== 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  
=== Cont  
ractor 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

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===== 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: 17%  
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: 0.9%  
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 #:OI6180  
000  
Fraction by Wt: 11%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM; 9394

Ingred Name:VOLATILE ORGANIC COMPOUNDS  
RTECS #:9999999VO  
Fraction by Wt: 53.6%  
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,POSSIBLE  
DAMAGE.SKIN:MAY CAUSE IRRITATI

ON AND DEFATTING.INGEST:MAY CAUSE GI  
TRACT IRRITATION.INHAL:MAY 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 A

IR.

===== 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,153C

Vapor Density:>1

Spec Gravity:1.62

Viscosity:87 KU

Evaporation Rate & Reference:0.11 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:LIQUID;GRAY;SOLVENT ODOR.

Percent Volatiles by Volume:36.2

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

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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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