

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
=== Contr
actor 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 #:OI61800
00
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL: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,POSSIBLE
DAMAGE.SKIN:MAY CAUSE IRRITATIO

N 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 M

edia: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 AI

R.

=====
===== 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 REASON

ABLE 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elemen

ts of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.