CRAWFORD LABORATORIES, INC. -- HEAT RESISTING PAINT, TPD-1000A, TYPE 1, L9-003 -- 8010-01-344-5120

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

Product ID:HEAT RESISTING PAINT, TPD-1000A, TYPE 1, L9-003
MSDS Date:05/06/1996
FSC:8010
NIIN:01-344-5120
MSDS Number: CBTXJ
=== Responsible Party ===
Company Name:CRAWFORD LABORATORIES, INC.
Address:4165 SOUTH EMERALD AVENUE
City:CHICAGO
State:IL
ZIP:60609
Country
:US
Info Phone Num:312-376-7132
Emergency Phone Num:800-424-9300
Preparer's Name:DAVID SCHMETTERER
CAGE:DO165
=== Contractor Identification ===
Company Name:CRAWFORD LABORATIES, INC
Address:4165 SOUTH EMERALD AVENUE
City:CHICAGO
State:IL
ZIP:60609
Phone:800-424-9300 CHEMTREC
CAGE:DO165
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 ======

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Ingred Name:NAPHTHA, LIGHT AROMATIC (VP = 9.0 MMGH)
CAS:64742-95-6
Fraction by Wt: 34.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM
ACGIH TLV:50 PPM 9091

Ingred Name:ALUMINUM (SARA 313)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 15.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 DUST
ACGIH TLV:10 MG/M3 DUST; 9495

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:N
TP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:REPEATED/PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS ASSOCIATED W/PERMANENT BRAIN/NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL O R FATAL. PROLONGED OVEREXPOSURE (INHAL)MAY CAUSE DELAYED LUNG DISEASE.
Effects of Overexposure:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS. ACUTE TOXICITY (HEADACHE, DIZZINESS, NAUSEA, LOSS CONSCIOUSNESS. SEVERE EYE IRRI
TATION POSSIBLY RESULTING PERMANENT DAMAGE. IRRITATED MUCOUS MEMBRANES. VOMITI NG FROM INGESTION. SKIN DEFATTING/DRYING. SENSITIZATION AFTER REPEATED CONTACT.

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

First Aid:EYE: FLUSH W/PLENTY CLEAN H20 15 MIN, LIFTING LIDS, GET MED ATTN. INHAL: GET FRESH AIR, PROVIDE OXYGEN IF BREATH DIFFICULT. GIVE ARTIF RESP IF NOT BREATHING. GET MED ATTN. KEEP VICTIM WARM/QUIET. NEVE R GIVE UNCONS PERSON LIQ. INGEST: CALL

DR. IMMED.
DON'T INDUCE VOMIT. IF VOMIT SPONTANEOUSLY, KEEP HEAD BELOW HIPS. SKIN: FLUSH W/H20 WHILE REMOVING CONTAM CLOTHES/SHOES. IF IRRIT PERSIST, GET MED AID

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

Flash Point Method:TCC
Flash Point:108F,42C
Lower Limits:1.9
Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL
Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL & KEEP FLAMMABLE STRUCTURE WETDON'T ENTER FIRE AREA WITHOUT PROP
ER PROTECTION, HAZARDOUS DECOMP MAY BE PRESENT
Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVER HEATED.

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

Spill Release Procedures:WARNING - FLAMMABLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. SOAK UP WITH ABSORBENT & PLACE IN NON-LEAKING CONATINERS. SEAL TIGHTLY FOR PROPER DISPOSAL .

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

Handling and Storage Precautions:TREAT AS A HAZARDOUS-FLAMMABLE MATERIAL. KNOW APPLICABLE D.O.T. REG. BEFORE ATTEMPTING TO TRANSPORT THIS MATERIAL.
Other Precautions:WARNING: HOT ORGANIC CHEMICAL VAPORS OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED W/AIR. IGNITION MAY OCCUR @ TEMPS BELOW THOSE PUBLISHED AS AUTOIGNITION/IGNITION TEMPS. IGNITI ON TEMPS DECREASE W/INCREASING VAPOR*

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

Respiratory Protection:USE NIOSH APPROVED ORGANIC VAPOR RESPIRATORS WHERE VENTILATION IS INADEQUATE.
Ventilation:MUST PROVIDE ADEQUATE VENTILATION, SEE PARAGRAPH ABOVE.
Protective Gloves:USE RUBBER GLOVES
Eye Protection:APPROVED SAFETY GOGGLES.
Other Protective Equipment:HAVE EYE BATH & SAFETY SHOWER AVAILABLE.
Supplemental Safety and Health
*VOLUME & VAPOR/AIR CONTACT TIME AND ARE INFLUENCED BY PRESSURE CHANGES. IGNITION MAY OCCUR

AT TYPICAL ELEVATED TEMPERATURE PROCESS
CONDITIONS, ESPECIALLY IN PROCESS OPERATING UNDER VACUUM IF SUBJECTE D TO SUDDEN INGRESS OF AIR, OUTSIDE PROCESS EQUIPMENT OPERATING UNDER ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS/MIST.

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

HCC:F4
Boiling Pt:B.P. Text:300 TO 344F
Vapor Density:>AIR
Spec Gravity:1.16
pH:NA
Viscosity:83 KU
Evaporation Rate & Reference:0.18 X N-BUTYL ACETATE
Solubility in Water:SLIGHT
Appe
arance and Odor:ALUMINUM LIQUID
Percent Volatiles by Volume:47.1

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS & STRONG ALKALIES. NOT CORROSIVE TO METAL.
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES, STRONG ALKALIES, & OXIDIZING AGENTS.
Hazardous Decomposition Products:INCOMPLETE COMBUSTION OR PRODUCTS LIKE THIS MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND OTHER TOXIC GASES

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE & FEDERAL REG. CONTACT AN APPROVED DISPOSAL FACILITY

or 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.