

AMERITEX CHEMICAL & COATINGS (FORMERLY KOPPERS CO) -- MIL-L-19537C AM3 (11136 RED) --
8010-00-551-7934

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

Product ID:MIL-L-19537C AM3 (11136 RED)

MSDS Date:08/01/1990

FSC:8010

NIIN:00-551-7934

MSDS Number: BMSNB

=== Responsible Party ===

Company Name:AMERITEX CHEMICAL & COATINGS (FORMERLY KOPPERS CO)

Address:801 E LEE

Box:151284

City:IRVING

State:TX

ZIP:75060-3053

Country:US

Info Phone Num:214-438-1913

Emergency Phone Num:214-438-1913

Preparer's Name:CAROL HOPE

CAGE:06613

=== Contractor Identification ===

Company Name:AMERITEX CHEMICAL & COATINGS (FORMERLY KOPPERS CO)

Address:801 E LEE

Box:City:IRVING

State:TX

ZIP:75060-3053

Country:US

Phone:972-438-1913

CAGE:06613

===== Composition/Information on Ingredients =====

Ingred Name:LEAD CHROMATE (AS CHROMIUM VI) (SARA 313)

CAS:7758-97-6

RTECS #:GB2975000

Fraction by Wt: 1-5%

Other REC Limit

s:NIOSH:1 MG CR(IV)/M3
OSHA PEL:1MG CRO3/M3 CEIL
ACGIH TLV:0.05 MG/M3

Ingred Name:(AS LEAD) (SARA 313)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: .5-.6%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHYL ETHYL KETONE (SARA 313)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 30-35%
Other REC Limits:NONE SPECIFIED
ACGIH TLV:200 PPM/300 PPM STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 5-10%
Other REC Limits:*500PPM-10 MIN PEAK
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ISOPROPYL ALCOHOL (NIOSH: 400 PPM-10 HR TWA, 800 PPM-15 MIN
CEIL)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/980 MG/M3
ACGIH TLV:400 PPM/500 PPM STEL

Ingred Name:DI(2-ETHYLHEXYL)PHTHALATE (SARA 313)
CAS:117-81-7
RTECS #:TI0350000
Fraction by W

t: 5-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:5MG/M3/10 MG/M3 STEL
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHYL ISOBUTYL KETONE (SARA 313)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA 313) (NIOSH: 100 PPM-10 HR TWA, 200 PPM-10 MIN
CEIL)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10-15%
Oth
er REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/435 MG/M3
ACGIH TLV:100 PPM/150 PPM STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:VOC: 770 G/L
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:PROLONGED ABSORPTION OF LEAD:SYSTEMIC
EFFECTS,GASTROINTEST DISTURBANCES,
ANEMIA,BLOOD CHANGES,ABDOMINAL
PAIN,WEAK,WEIGHT LOSS,INSOMNIA,FATIGUE,CONSTIPATION,APPETITE
LOSS,MUSCLE WEAK,ENCEPHALOPATHY.LEAD TO LUNG CHANGES.MUCOUS
MEMBRANE IRRIT.KIDNEY &/OR LIVER DAMAGE.ASPIRATION:MAY LEAD TO CHEM
PNEUMONITIS, CAN BE FATAL.
Explanation of Carcinogenicity:LEAD CHROMATE AND DI (2-ETHYLHEXYL)
PHTHALATE ARE LISTED AS A CARCINOGEN.
Effects of Overexposure:EYES: IRRIT, TEARS, CORNEAL DAMAGE. SKIN:
DERMATITIS, SENSITIZATION, DEFATTING-CRACKING, BLISTERS,R

EDNESS.

INHALE: RESPIRATORY TRACT IRRIT, CNTRL NERVE SYS DEPRESSION-HEADACHE, WEAKNESS, NAUSEA, DIZZINESS, INCOORDINATION, COLLAPSE. INGESTION: MAY CAUSE GASTROINTESTINAL IRRIT, ABDOMINAL PAIN, NAUSEA & VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISEASE IN OR A HISTORY OF AILMENTS INVOLVING THE SKIN, RESPIRATORY TRACT, KIDNEY, LIVER, EYE ARE AT GREATER RISK OF DEVELOPING ADVERSE EFFECTS WHEN EXPOSED TO THIS MATERIAL.

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

First Aid:EYES: IMMEDIATELY FLUSH W/LG AMTS OF WATER FOR 15 MIN, SEEK MED AID. SKIN: WASH W/SOAP & WATER. PERSISTENT IRRIT: SEEK MED AID. INHALE: REMOVE FROM EXPOSURE. STOPPED/DIFF BREATHING: ADMIN CPR/OXYGEN. SEEK MED AID. INGEST: DO NOT INDUCE VOMITING.GIVE 1 GLASS OF MILK OR 1-2 OZ (30 TO 60G) ACTIVATED CHARCOAL IN WATER. IMMEDIATELY SEEK MED AID. NOTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DR: REDUCE LEAD IN BLOOD.

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

Flash Point Method:CC
Flash Point:25.0F,-3.9C
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY, ALCOHOL OR UNIVERSAL TYPE FOAMS AS PER MFR RECOMMENDATIONS.
Fire Fighting Procedures:USE FIRE PROTECTIVE EQUIPMENT, INCLD FULL-FACE MSHA/NIOSH SCBA. USE WATER TO COOL FIRE-EXPOSED CONTAINERS/STRUCTURES/PROTECT PERSONNEL. USE FOAM TO FIGHT FIRE.
Unusual Fire/Explosion Hazard:VAPORS FORM FLAMMABLE/EXPLOS MIX IN AIR. VAPORS HEAVY, TRAVEL TO IGNITION/FLASH. CLOSED CNTNRS MAY EXPLODE W/EXTREME HEAT. MAY EMIT IRRITANT/TOXIC GAS/FUMES.

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

Spill Release Procedures:STOP SPILL/LEAK IF NO RISK. AVOID: BREATHING VAPOR; HOT LIQUIDS/FUMES; HEAT/SPARKS. TURN OFF IGNITE SOURCES. VENTILATE AREA. INERT ABSORBENT TO FINISH CLEAN-UP. REACTS W/OXIDIZING AGENTS. REPORT RELEASE (35.21+ LB):NAT'L RESPONSE CNTR (800-424-8802).

=====

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

Handling and Storage Precautions:STORE AREA COMPLYING W/OSHA 1910.106.

KEEP IN COOL, DRY, VENTED AREA. NO PHYSICAL DAMAGE. KEEP CNTNRS
LABELED/CLOSED.DO NOT BREATHE. AVOID ANY CONTACT.

Other Precautions:NO HOME USE/STORAGE. GROUND/BOND DRUM. NO PRESSURE TO
EMPTY CNTNR. WEAR NO CONTAM CLOTHES. DISCARD CONTAM FOOTWEAR. KEEP
FROM HEAT/OPEN FLAME. NO CONTACT LENSES W/OUT PROPER EYE PROTECT.
EMPTY CNTNRS RETAIN RESIDUE INCLD FLAMM
EXPLOS VAPOR.

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

Respiratory Protection:USE MSHA/NIOSH APPROVED UNITS PER CURRENT
29CFR1910.134 & INSTRUCTION & WARNING AND NIOSH RESPIRATOR DECISION
LOGIC-PUB 87.108. USE MSHA/NIOSH APPROVED UNITS AS PER CURRENT
29CFR 1910.1025.

Ventilation:VENTILATION TO KEEP EXPOS BELOW CURRENT EXPOS LIM & AREAS
BELOW FLAMM VAPOR CONCENTRATION. CONFINED AREA: LOCAL EXHAUST.

Protective Gloves:HEAVY DUTY NEOPRENE OR EQUIVALENT

Eye Protection:SAFETY GLASSES;FACE/SIDE SHIELDS;GOGGLES

Other Protective Equipment:INDUSTRIAL-TYPE WORK CLOTHES & SAFETY
FOOTWEAR.DEPENDING ON CONDITION:HEAD/NECK
COVER, APRON, JACKET, PANTS, COVERALLS, BOOTS

Work Hygienic Practices:WASH AFTER SKIN CONTACT AND BEFORE EATING,
DRINKING, USING TOBACCO OR RESTROOMS. SPRAY PAINT: OSHA
29CFR1910.107.

Supplemental Safety and Health

DO NOT CUT, DRILL, GRIND, WELD ON/NEAR CNTNRS. AIRBORNE PARTICUL ARE
GENERATED DURING REMOVAL OPERATIONS (AB
RASIVE BLASTING, SANDING,
GRINDING). READ/UNDERSTAND MFR'S PRECAUTIONS BEFORE USING. CONTAIN
S CHEMICALS THAT ARE KNOWN TO CAUSE CANCER/BIRTH
DEFECTS/REPRODUCTIVE HARM BY CALIF. SEE FILE FOR MORE INFORMATION.

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

HCC:F2

Vapor Density:>1 @ 25C

Spec Gravity:8.3 LBS/GAL

Viscosity:20"MAX/*

Solubility in Water:NEGLIGIBLE

Appearance and Odor:RED VISCOUS LIQUID WITH TYPICAL SOLVENT ODOR

Percent Volatiles by Volume:78

Corrosi

on Rate: *#4F

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

Stability Indicator/Materials to Avoid: YES

AVOID ACIDS, REDUCING AGENTS, OXIDIZING AGENTS, HEAT, SPARKS AND OPEN FLAMES.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE UPON THERMAL DECOMPOSITION. OXIDES OF LEAD AND CHROMIUM AT TEMPS GREATER THAN 300F.

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

Waste Disposal Methods: THIS PRODUCT IS AN US EPA DEFINED IGNITABLE HAZARDOUS WASTE.

DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. INCINERATION IS ACCEPTABLE. EPA HAZARDOUS WASTE CODES: F003, F005, F006, F007.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements 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.