

KOP-COAT INC -- MIL-L-19537C AM.3 YELLOW 13538 -- 8010-00-527-2518

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Product Identification
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Product ID:MIL-L-19537C AM.3 YELLOW 13538

MSDS Date:10/01/1990

FSC:8010

NIIN:00-527-2518

MSDS Number: BPPBF

=== Responsible Party ===

Company Name:KOP-COAT INC

Address:436 7TH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219

Country:US

Info Phone Num:800-547-2468

Emergency Phone Num:800-548-0489/800-424

-9300 CHEMTREC

Preparer's Name:CARL A HOPE

CAGE:00297

=== Contractor Identification ===

Company Name:KOP-COAT INC

Address:436 7TH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219-1818

Country:US

Phone:800-553-5631, CHEMTREC 800-424-9300

CAGE:00297

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Composition/Information on Ingredients
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Ingred Name:LEAD CHROMATE (AS CHROMIUM VI) (SARA 313) (NIOSH EXPOSURE
LIMIT: 1 MICROGRAM CR[VI]/M3)

CAS:12656-85-8

RTECS #:QA4660000

Fraction by Wt: 1-5%

Other REC Limits:NIOSH LIMIT A

BOVE
OSHA PEL:0.01 PPM
ACGIH TLV:0.05 MG/M3

Ingred Name:(AS LEAD) (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 5-10%
Other REC Limits:NIOSH.1MG/M310HR TWA
OSHA PEL:50 MICROGRAMS/M3
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TOLUENE (SARA III) (NIOSH EXPOSURE LIMITS: 100 PPM [10 HR
TWA], 200 PPM [10 MIN CEILING])
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 15-20%
Other REC Limits:NIOSH LIMIT ABOVE
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
E
PA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ACETATE (SKIN)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 25-30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/200 PPM STEL
ACGIH TLV:150 PPM/200 PPM STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III) (NIOSH EXPOSURE LIMIT: 400
PPM [10 HR TWA], 800 PPM [15 MIN CEILING])
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 1-5%
Other REC Limits:NIOSH LIMIT ABOVE
OSHA PEL:400 PPM/500 PPM STEL
A

CGIH TLV:400 PPM/500 PPM STEL

Ingred Name:METHYL ETHYL KETONE (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 10-15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 PPM STEL

ACGIH TLV:200 PPM/300 PPM STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:DI(2-ETHYL HEXYL)PHTHALATE (SARA III) (NIOSH EXPOSURE
LIMIT: REDUCE EXPOSURE TO LOWEST FEASIBLE LIMIT)

CAS:117-81-7

RTECS #:TI0350000

Fraction by Wt: 5-10%

Other REC Limits:NIOSH LIMIT ABOVE

OSHA PEL:5 MG/M3;10MG/M3 STEL

ACGIH TLV:5 MG/M3;10MG/M3 STEL

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:VOC: 5 LBS/GAL

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES

Health Hazards Acute and Chronic:EYE: IRRIT, TEARING, CORNEAL DAMAGE.

SKIN: DERMATITIS, SENSITIZATION. PROLONG/REPEAT: DEFATTING
(RED,CRACK,BLISTER, IRRIT,DERMATITIS).

ABSORBED RESULTING IN

SYSTEMIC EFFECTS. INHAL: SEVERE MUCOUS MEMB RANE IRRIT,
KIDNEY/LIVER DAMAGE, RESP TRACT IRRIT, CENTRL NERV SYS DEPRESS
(HEADACHE,WEAKNESS,DIZZINESS,INCOORDINATION,

Explanation of Carcinogenicity:IARC: LEAD CHROMATE: EVIDENCE OF RESP
CARC IN MEN. NTP: CHROMATE: EVIDENCE OF CARC IN HUMANS. NTP: DEHP
CARC IN ANIMALS.

Effects of Overexposure:COLAPSE. INGEST: GASTROINTEST IRRIT, ABDOM
PAIN, NAUSEA, VOMIT. GASTROINTEST DISTURBANCES (NAUSEA, VOMITING,

DIARRHEA, EFFECTS SIMILAR TO THOSE DESCRIBED UNDER INHAL).

ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. ANEMIA, BLOOD CHANGES, WEIGHT LOSS, MUSCLE WEAKNESS, ENCEPHALOPATHY.

Medical Cond Aggravated by Exposure:INDIVIDUALS W/PRE-EXISTING DISEASE IN/ HISTORY OF AILMENTS INVOLVING SKIN, RESPIRATORY TRACT, KIDNEY, LIVER, ARE AT GREATER THAN NORMAL RISK OF DEVELOPING ADVERSE EFFECTS WHEN EXPOSED TO MAT'L.

===== First Aid Measures

First Aid:EYE:IMMED FLUSH W/WTR 15MIN.GET MED AID. SKIN:WASH W/SOAP & WATER.IF RED,ITCH,BURN,OTHER SYMPTOM DEVELOP,GET MED AID.INHAL:REMOVE FROM EXPOSURE.IF BREATH STOP/DIFFICULT,GIVE ARTIF RESP/ OXYGEN AS NEED .GET MED AID.INGEST:DONT INDUCE VOMIT.GIVE 1 GLASS MILK/1-2 OZ ACTIVATED CHARCOAL IN WTR AS TOLERATED.GET MED AID.NOTHING BY MOUTH TO UNCONSCIOUS PERSON.NOTE TO DR:REDUCE BLOOD PRESSURE.DIRECT TREATMN

===== 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 MANUFACTURER'S RECOMMENDATIONS.

Fire Fighting Procedures:WEAR COMPLETE FIRE SERVICE PROTECTIVE EQUIPMENT. INCLUDING A FULL-FACE MSHA/NIOSH SCBA. USE WATER TO COOL FIRE- EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL.

Unusual Fire/Explosion Hazard:VAPOR FORMS FLAMM/EXPLOSIVE MIX W/AIR. VAPOR HEA

VY, MAY TRAVEL (GRND,PIT,SEWER) TO IGNIT SOURCE-FLASH.

OPEN/CLSD CNTNR MAY CONTAIN FLAMM/EXPLOS VAPOR. CLSD

===== Accidental Release Measures

Spill Release Procedures:STOP SPILL/LEAK IF NO RISK. AVOID BREATHING VAPORS. ELIMINATE IGNITION SOURCE. VENT AREA. AVOID CONTACT W/HOT LIQ & FUMES. TAKE UP W/CARE TO AVOID HEAT/SPARKS. USE INERT ABSORBENT TO COMPLETE CLEANUP. MAT'L REACTS W/OXIDIZER. REPORT (1 LBSOR ##

Neutralizing Agent:N/K # AT CON

TROL OF SYMPTOMS AND CLINICAL CONDITION.

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

Handling and Storage Precautions:DONT BREATHE VAPOR/MIST. DONT GET ON SKIN/ CLOTH/IN EYES. HANDLE/USE IN ACCORD W/OSHA 29CFR1910.106/LOCAL CODE. SPRAY PAINT IN ACCORD W/29CFR1910.107. Other Precautions:IF DRY, DISPERSED IN AIR, CHECK LEAD EXPOSURES (29CFR 1910.1025).STORE IN AREA/BLDG IN COMPLY W/29CFR1910.106. KEEP IN CLSD, LABELED CNTNR W/IN COOL, DRY VENTED AREA. PROTECT FROM PHYS DAMAGE. KEEP CN TNR CLSD. DONT STORE IN/AROUND HOME.

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

Respiratory Protection:ABOVE TLV/PEL, USE MSHA/NIOSH UNITS PER 29 CFR 1910.134, INSTRUCTIONS/WARNINGS & NIOSH RSPRTR DECISION LOGIC PUB 87-108. USE NIOSH/MSHA UNITS AS PER CURRENT 29 CFR 1910.1025. Ventilation:GENERAL/LOCAL EXHAUST TO KEEP INHAL EXPOSURE BELOW TLV & LEL. LOCAL EXHAUST NEEDED IN ENCLOSED/CONFINED-SEE NIOSH 87-113 Protective Glove s:CHEM RESISTANT, FLEX-HEAVY DUTY NEOPRENE Eye Protection:SFTY GLASSES,W/SIDESHLD,FACESHLD,GOGGLES Other Protective Equipment:WEAR INDUST TYPE WORK CLOTH: RESISTANT PROTECTIVE: HEAD/NECK COVER, APRONS, JACKETS, PANTS, COVERALLS, BOOTS, ETC. Work Hygienic Practices:WASH CONTAM CLOTHING BEFORE REUSE. WASH PROMPTLY & THOROUGHLY AFTER SKIN CONTACT & BEFORE EAT,DRINK,SMOKE, USE RESTROOM. Supplemental Safety and Health ### GROUND & BOND DRUMS. DONT USE PRESSURE TO EMPTY DRUMS. DONT WEAR CONTAM CLOTHING. DISCARD CONTAM SHOES. 29 CFR1910.1025 APPLIES, IF USE/APPL CAUSES AIRBORNE LEAD EXPOSURE. KEEP FROM HEAT/FLAME. READ/UNDERSTAND MFR'S PRECAUTION BEFORE USE. DONT WEAR CONTACT LENS W/O EYE PROTECTION. IF DUST GENERATED, TLV/PEL APPLY.

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

HCC:F5
Vapor Density:>1 @ 25C
Spec Gravity:8.7 LBS/GAL
Viscosity:20"MAX/4F@75F
Solubility in Water:NEGLIGIBLE
Appearance and Odor:YELLOW VISCOUS LIQUID WITH TY

PICAL SOLVENT ODOR.
Percent Volatiles by Volume:60

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

Stability Indicator/Materials to Avoid:YES
AVOID ACIDS, REDUCING AGENTS, OXIDIZING AGENTS, HEAT, SPARKS AND OPEN
FLAME.

Stability Condition to Avoid:N/K CNTNRS MAY EXPLODE WHEN EXPOSED TO
EXTREME HEAT/FIRE. UNDER FIRE CONDITIONS, MAY EMIT IRRIT/TOXIC
GAS/FUMES.

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

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

Waste Disposal Methods:PRODUCT IS US EPA DEFINED IGNITABLE HAZARDOUS
WASTE. DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE IN ACCORD
W/LOCAL, STATE & FEDERAL REGULATIONS. ## MORE) TO NAT'L RESPONSE
CENTER 800-424-8802.

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