

KOP-COAT INC -- MIL-L-19538C TY2 AM1 (31136 RED) -- 8010-00-530-6383

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Product Identification
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Product ID:MIL-L-19538C TY2 AM1 (31136 RED)

MSDS Date:03/01/1989

FSC:8010

NIIN:00-530-6383

MSDS Number: BKPHY

=== Responsible Party ===

Company Name:KOP-COAT INC

Address:436 7TH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219-1818

Country:US

Info Phone Num:800-556-7737, 412-227-2155

Emergency Phone N

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

Preparer's Name:C.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-1
MICROGRAM/M3)

CAS:7758-97-6

RTECS #:GB2975000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3 CEIL;1 MG/M3
ACGIH TLV:0.05 MG/M3

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:ISOBUTYL ACETATE (SARA III)
CAS:110-19-0
RTECS #:AI4025000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM
ACGIH TLV:150 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TALC (CONTAINING NO ASBESTOS)
CAS:14807-96-6
RTECS #:WW2710000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3 RDUST
ACGIH TLV:2 MG/M3 RDUST; 9192

Ingred Name:SILICA, AMORPHOUS, DIATOMACEOUS EARTH, CONTAINING LESS THAN
1% CRYSTALLINE SILICA
CAS:61790-53-2
RTECS #:HL8600000
Fraction by Wt: 1-5%
Other REC L

imits:NONE SPECIFIED
OSHA PEL:20 MPPCF
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: .1-.2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:N-BUTYL ACETATE (SARA III)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 25-30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/200 STEL
ACGIH TLV:150 PPM/200STEL;9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE
(SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 10-15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:DI-SEC-OCTYL PHTHALATE (DI-2-ETHYLHEXYL-PHTHALATE)

(SARA
III)

CAS:117-81-7

RTECS #:TI0350000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3/10 STEL

ACGIH TLV:5 MG/M3; 9192

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:VOC: NO INFORMATION FOUND

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:EYE:

IRRIT, TEARING, POSS CORNEAL

DAMAGE. SKIN: DERMATITIS, SENSITIZATION, DEFATTING-REDNESS,
CRACKING, BLISTERING. INHALE: MUCOUS MEMBRANE IRRIT, KIDNEY AND/OR
LIVER DAMAGE, RESPIRATORY TRACT IRRIT, CENTRAL NERVOUS SYSTEM
DEPRESSION-HEADACHE, WEAKNESS, DIZZINESS, INCOORDINATION, COLLAPSE.
INGEST: GASTROINTEST IRRIT, *

Explanation of Carcinogenicity:LEAD CHROMATE, CHROMIUM/CERTAIN CHROM
CMPNDS, CRYSTALLINE SILICA, DI(2-ETHYLHEXYL) PHTHALATE ARE
POTENTIAL CARCINOGENS.

Eff

ects of Overexposure:*ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA.

ASPIRATION INTO LUNGS MAY CAUSE CHEM PNEUMONITIS/POSS FATAL. LEAD
ABSORPTION CAUSES SYSTEMIC EFFECTS-GASTROINTEST DISTURB, ANEMIA &
OTHER BLOOD CHANGES, AB DOMINAL PAINT, WEAKNESS, WEIGHT LOSS,
INSOMNIA, FATIGUE, CONSTIPATION, APPETITE LOSS, MUSCLE WEAKNESS,
ENCEPHALOPATHY.

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:EYE: IMMED FLUSH W/LG AMT WATER-15 MIN, SEEK MED AID. SKIN:
WASH W/SOAP & WATER. PERSISTANT IRRIT: SEEK MED AID. WASH CONTAM
CLOTH BEFORE REUSE. INHALE: REMOVE FROM EXPOSURE. FOR
STOPPED/DIFFICULT BRE ATHING, GIVE CPR/OXYGEN AS NEEDED. SEEKMED
AID. INGEST: DO NOT INDUCE VOMIT. GIVE 1 GLASS MILK OR 1-2 OZ

(30

TO 60G) ACTIVATED CHARCOAL IN WATER. SEEK MED AID. NOTHING BY MOUTH TO UNCONSCIOUS PERSON.

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

Flash Point:35.0F,1.7C

Autoignition Temp:Autoignition Temp Text:NIF

Lower Limits:NIF

Upper Limits:NIF

Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY, ALCOHOL OR UNIVERSAL TYPE FOAMS PER MANUFACTURER'S RECOMMENDATIONS.

Fire Fighting Procedures:WEAR COMPLETE FIRE SERVICE PROTECTIVE EQUIPMENT, INCLUDI

NG FULL-FACE MSHA/NIOSH SCBA. USE WATER TO COOL FIRE-EXPOSED CONTAINERS/STRUCTURES/PROTECT PERSONNEL.

Unusual Fire/Explosion Hazard:VAPORS FORM FLAMM/EXPLOS MIX IN AIR. VAPORS HEAVY, TRAVEL TO IGNITE SOURCE/FLASH. CLOSED CNTNRS MAY EXPLODE W/EXTREME HEAT. MAY EMIT IRRIT/TOXIC GAS/FUMES.

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

Spill Release Procedures:STOP SPILL/LEAK IF NO RISK. AVOID: BREATHING VAPOR; HOT LIQ/FUMES; HEAT/SPARKS. REMOVE IGNITE SOURCES

. VENT AREA. USE INERT ABSORBENT TO FINISH CLEAN-UP. REACTS W/OXIDIZING AGENTS. REPORT RELEASE (19 LBS OR MORE): NAT'L RESPONSE CTR (800-424-8802).

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

Handling and Storage Precautions:STORE AREA COMPLYING W/OSHA 1910.106. KEEP IN COOL, DRY, VENT 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 EM

TPY DRUMS. WEAR NO CONTAM CLOTH. DISCARD CONTAM FOOTWEAR. KEEP FROM HEAT/OPEN FLAME. NO CONTACT LENSES W/O PROPER EYE PROTECTION. EMPTY CNTNRS R ETAIN RESIDUE INCLD FLAMM/EXPLOS VAPOR.

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

Respiratory Protection:IF VENT DOES NOT MAINTAIN INHALATION EXPOS BELOW PEL(TLV), USE MSHA/NISOHA APPROVED UNITS AS PER CURRENT 29 CFR 1910.134 & 29 CFR 1910.1025.

Ventilation:VENT TO KEEP EXPOSURE BELOW CURRENT EXPOSURE LIM & AR

EAS

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:INDUST-TYPE WORK CLOTHES/SAFETY

FOOTWEAR.DEPENDING ON CONDITION-HEAD/NECK COVER, APRON, JACKET,
PANTS, COVERALLS, BOOTS.

Work Hygienic Practices:WASH EXPOSED AREAS PROMPTLY/THOROUGHLY AFTER
SKIN CONTACT & BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR
RESTROOM.

Supplementa

I Safety and Health

DO NOT CUT, DRILL, GRIND, WELD ON/NEAR CONTAINERS. AIRBORNE PARTICULATE
ARE GENERATED DURING REMOVAL OPERATIONS (ABRASIVE BLASTING,
SANDING, GRINDING). READ/UNDERSTAND MFR'S PRECAUTIONS BEFORE USING.
CONTAINS CHEMICALS THAT ARE KNOW BY THE STATE OF CALIFORNIA TO
CAUSE CANCER/BIRTH DEFECTS/REPRODUCTIVE HARM.

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

HCC:F3

Boiling Pt:B.P. Text:NIF

Melt/Freeze Pt:M.P/F.P Text:NIF

Vapor Pres:NIF

Vapor

Density:>1

Spec Gravity:NIF

Viscosity:NIF

Evaporation Rate & Reference:NIF

Solubility in Water:NEGLIGIBLE

Appearance and Odor:RED VISCOUS LIQUID WITH TYPICAL SOLVENT ODOR.

Percent Volatiles by Volume:NIF

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

Stability Indicator/Materials to Avoid:YES

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

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE UPON
THERMAL DECOMPOSITION,

OXIDES OF LEAD AND CHROMIUM.

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

Waste Disposal Methods: THIS PRODUCT IS A US EPA DEFINED IGNITABLE HAZARDOUS WASTE. DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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