

KOP-COAT INC -- TT-E-485F TY 2 (24084 OLIVE DRAB) -- 8010-00-297-2104

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Product Identification
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Product ID:TT-E-485F TY 2 (24084 OLIVE DRAB)

MSDS Date:01/01/1992

FSC:8010

NIIN:00-297-2104

MSDS Number: BPKMT

=== Responsible Party ===

Company Name:KOP-COAT INC

Address:436 SEVENTH AVE

City:PITTSBURGH

State:PA

ZIP:15219

Country:US

Info Phone Num:800-932-2239

Emergency Phone Num:800-548-0489;

800-424-9300(CHEMTREC)

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 MOLYBDATE; (LEAD CHROMATE). OSHA PEL:0.05(PB)
MG/M3;0.1 PPM (CRO*3). ACGIH TLV:0.05(PB) MG/M3;0.012 (CR).

CAS:7758-97-6

RTECS #:GB2975000

Fraction by Wt:

5-10%

OSHA PEL:SEE INGREDIENT NAME

ACGIH TLV:SEE INGREDIENT NAME

Ingred Name:IRON (III) OXIDE; (IRON OXIDE (DUST & FUME))

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 10-15%

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 1-5%

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3

Ingred Name:ZINC OXIDE (AS FUME)

CAS:1314-13-2

ingred Name:TALC (POWDER), CONTAINING NO ASBESTOS FIBERS; (TALC)
CAS:14807-96-6
RTECS #:WW2710000
Fraction by Wt: 1-5%
OSHA PEL:2 MG/M3 RDUST
ACGIH TLV:2 MG/M3 RDUST

ingred Name:SILICA, AMORPHOUS, DIATOMACEOUS EARTH, CONTAINING LESS THAN
1% CRYSTALLINE SILICA; (AMORPHOUS SILICON DIOXIDE)
CAS:61790-53-2
RTECS #:HL8600000
Fraction by Wt: 1-5%
OSHA PEL:20 MPPCF
ACGIH TLV:10 MG/M3 TDUST; 9293

ingred Name:SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC; (PETROLEUM
DISTILLATES)
CAS:64742-95-6
Frac
tion by Wt: 5-10%
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

ingred Name:STODDARD SOLVENT; (MINERAL SPIRITS)
CAS:8052-41-3
RTECS #:WJ8925000
Fraction by Wt: 20-25%
OSHA PEL:500 PPM
ACGIH TLV:100 PPM; 9293

ingred Name:VOLATILE ORGANIC COMPOUND: 570 G/L MAX.
RTECS #:9999999VO
Fraction by Wt: INGRED

ingred Name:SUPP DATA:VOMIT & DIARRHEA. ASPIR INTO LUNG MAY CAUSE CHEM
PNEUM WHICH CAN BE FATAL. CHRONIC:PRLNGD ABSORP OF (ING 11)
RTECS #:9999999ZZ

ingred Name:ING 10:LEAD CAUSES SERIOUS SYSTEMIC EFTS,
SEVERE GI
DISTURB, ANEMIA & OTHER BLOOD CHANGES, ABDOM PAIN, WEAKNESS,(ING
12)
RTECS #:9999999ZZ

ingred Name:ING 11:WEIGHT LOSS, INSOMNIA, FATIGUE, CONSTIPATION,
APPETITE LOSS, MUSCLE WEAKNESS & ENCEPHALOPATHY.
RTECS #:9999999ZZ

ingred Name:FIRST AID PROC:GET MD. DO NOT ATTEMPT TO GIVE ANYTHING BY
MOUTH TO UNCON PERSON. NOTE TO MD:MEASURES SHOULD BE (ING 14)
RTECS #:9999999ZZ

ingred Name:ING 13:TAKEN TO REDUCE BLOOD LEAD LEVELS WHEN APPROP.
TREATMENT SHOULD BE DIRECTED AT

CONTROL OF SYMPS & CLINICAL COND.

RTECS #:9999999ZZ

Ingred Name:SPILL PROC:MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER.

RTECS #:9999999ZZ

Ingred Name:OTHER PREC:AVOID PRLNGD/RPTD CNTCT W/SKIN/EYES. DO NOT WEAR CONTAMD CLTHG. DISCARD CONTAMD FOOTWEAR. AVOID (ING 17)

RTECS #:9999999ZZ

Ingred Name:ING 16:PRLNGD/RPTD VAP BRTHG. DO NOT BREATHE SPRAY/MIST. NOT FOR USE/STOR IN/AROUND HOME. GROUND & BOND DRUMS. (ING 18)

RTECS #:9999999ZZ

Ingred Name:ING 17:DO NOT USE PRESS TO EMPTY DRUMS. 29CFR 1910.1025

APPLIES, IF USE/APPLICATN CAUSES AIRBORNE LEAD EXPOS. (ING 19)

RTECS #:9999999ZZ

Ingred Name:ING 18:KEEP AWAY FROM HEAT, OPEN FLAME. IF POST APPLICATN/USE PROCESSING OF PRODUCT GENERATES DUST/IF SPRAY (ING 20)

RTECS #:9999999ZZ

Ingred Name:ING 19:APPLICATN IS MADE, EXPOS LIM APPLY. EMPTY CNTNRS MAY RETAIN PROD RESIDUE INCLDG FLAMM/EXPLO VAPS. DO NOT (ING 21)

RTECS #:9999999ZZ

Ingred Name:ING 20:CUT, DRILL, GRIND OR WELD ON OR NEAR FULL, PARTIALLY FU

LL OR EMPTY PRODUCT CONTAINERS.

RTECS #:9999999ZZ

Ingred Name:VENT:FLAMMABLE VAPOR CONCENTRATIONS. LOCAL EXHAUST NECESSARY FOR ENCLOSED OR CONFINED SPACES.

RTECS #:9999999ZZ

Ingred Name:PROT GLOVES:GLOVES (HEAVY DUTY NEOPRENE OR EQUAL).

RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT:WORKING W/PROD & BEFORE EATING, DRINKING, USING TOBACCO PRODS/REST ROOMS. DO NOT WEAR CNTCT LENS (ING 25)

RTECS #:9999999ZZ

Ingred Name:ING 24:W/OUT PROPER EYE PROTECTION WHEN USING THIS PRODUCT.

RTECS #:999

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:EYE:DUST MAY CAUSE IRRIT, TEARING & CORNEAL DMG. LIQ/VAP MAY CAUSE IRRIT. SKIN:DUST MAY CAUSE DERM & SENSIT RXN IN CERTAIN INDIVIDUALS. PRLNGD &/OR RPTD CNTCT MAY CAUSE DEFATTING, REDNESS, CRACKING, B LISTERING, IR RIT & DERM.

INHAL:MISTS & VAPS CAN CAUSE SEVERE MUC MEMB/RESP TRACT IRRIT.MISTS MAY RESULT(EFTS OF OVEREXP)

Explanation of Carcinogenicity:LEAD CHROMATE:GROUP 1 (IARC), GROUP 1 (NTP).

Effects of Overexposure:HLTH HAZ:IN KIDNEY &/OR LIVER DMG & CNS DEPRESS CHARACT BY HDCH, WEAKNESS, DIZZ, INCOORD. PRLNGD &/OR RPTD INHAL MAY LEAD TO LUNG CHANGES. PRLNGD &/OR RPTD INHAL OF HIGH CONC OF METAL FUMES MAY CAUSE METAL FUME FEVER CHARACT BY HDCH, DIZZ,METALLIC TASTE IN MOUTH, COUGHING & GEN INFLUENZA-TYPE SYMPTOMS. (SUPP DATA)

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

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First Aid Measures
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First Aid:EYE:IMMED FLUSH W/LG AMTS OF WATER FOR AT LEAST 15 MIN. GET MD. SKIN:WASH THORO W/SOAP & WATER. IF REDNESS, ITCH ING, BURNING/OTHER SYMPS DEVELOP/PERSIST, GET MD. WASH CONTAMD CLTHG BEFORE REUSE. INHAL :REMOVE FROM EXPOS. IF BRTHG STOPPED/DFCLT, GIVE ARTF RESP/O*2 AS INDICATED.GET MD. INGEST:DO NOT INDUCE VOMIT. GIVE 1 GLASS OF MILK/1-2 OZ(30-60G) OF ACTIVATED CHARCOAL IN WATER AS TOLERATED.(ING 13)

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Fire Fighting Measures
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Flash Point Method:TCC

Flash Point:102F,39C

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY, ALCOHOL

OR UNIVERSAL TYPE FOAMS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . USE WATER TO COOL FIRE-EXPOSED CONTAINER, STRUCTURE, PROTECT PERSONNEL.

Unusual Fire/Explosion Hazard:VAPS FORM FLAMM/EXPLO MIXT IN AIR. VAPS HEAVY, MAY TRAVEL (GROUND,PIT,SEWER) TO IGNIT SOURCE-FLASH. OPEN/CLOSED CNTNRS MAY CONTAIN FLAMM/EXPLO VAPS. (SUPP DATA)

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

Spill Release Procedures:STOP SPILL/LEAK
IF NO RISK. AVOID BRTHG VAPS.

ELIMINATE ALL IGNIT SOURCES. VENT AREA. AVOID CNTCT W/HOT LIQ & FUMES. TAKE UP CAREFULLY TO AVOID HEAT & SPARKS. USE INERT ABSORB TO COMPLETE CLEAN-UP. MA TL REACTS W/OXIDIZING MATLS. PROD RELEASE (ING 15)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN AREAS/BLDGS DESIGNED TO COMPLY W/OSHA 1910.106. KEEP IN CLOSED, LABELED CNTNR W/I N COOL

(WELL SHADED), DRY, VENT AREA. PROTECT FROM PHYS DMG.

Other Precautions:KEEP CNTNRS CLOSED WHEN MATL NOT IN USE. MAINTAIN GOOD HOUSEKEEPING. DO NOT BREATHE VAPS/MISTS OR GET ON SKIN/CLTHG, IN EYES. HANDLE & USE I/A/W OSHA 29CFR1910.107. IF DRY, THEN DISPERSED IN AIR, CHEC K LEAD EXPOS (OSHA 1910.1025). (ING 16)

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

Respiratory Protection:IF VENT DOES NOT MAINTAIN EXPOS BELOW PEL(TLV), USE NIOSH/MSHA APPR

VD UNITS AS PER CURRENT 29 CFR 1910.134,

INSTRUCTIONS/WARNINGS & NIOSH-RESP DECISION LOGIC-PUB #87.108. IF W/IN OSHA PROTECTION FACTO R, AIR PURIFYING OV/FILTER UNITS OK.

Ventilation:PROVIDE SUFFICIENT GEN/LOCAL EXHST VENT IN PATTERN/VOL TO CONTROL EXPOS BELOW CURRENT EXPOS LIM & AREAS BELOW (ING 22)

Protective Gloves:INDUS RESISTANT FLEXIBLE-TYPE (ING 23)

Eye Protection:CHEM WORK GOG & FULL LENGTH FSHLD.

Other Protective Equipment:INDUS-TYPE WORK CLTHG,SAFETY FOOTWEAR.WEAR RESIS

TANT PROT GARMENTS(HEAD/NECK
COVER, APRONS, JACKETS, PANTS, COVERALLS, BOOTS)

Work Hygienic Practices: DO NOT WEAR CONTAMD CLTHG. DISCARD CONTAMD
FOOTWEAR. WASH EXPSD AREAS PROMPTLY & THORO AFTER SKIN CNTCT FROM
(ING 24)

Supplemental Safety and Health

EXPLO HAZ: CLOSED CNTNRS MAY EXPLODE WHEN EXPSD TO EXTREME HEAT(FIRE).
UNDER FIRE CONDS, MAY EMIT IRRITANT/TOXIC GAS &/OR FUMES. EFTS OF
OVEREXP: AIRBORNE PARTICULATE MAY BE GENERATED DURING REMOVAL OPE
RATIONS INCLDG ABRASIVE BLAST
ING, SANDING/GRINDING. INGEST: MAY
CAUSE GI IRRIT/DISTURB, ABDOM PAIN, NAUSEA, (ING 10)

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

Vapor Density:>1

Spec Gravity:1.3

Solubility in Water: NEGLIGIBLE

Appearance and Odor: OLIVE DRAB-COLORED VISCOUS LIQUID W/TYPICAL SOLVENT
ODOR.

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

Stability Indicator/Materials to Avoid: YES

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

ity Condition to Avoid: NONE

Hazardous Decomposition Products: CO, CO*2 UPON THERMAL DECOMPOSITION,
OXIDES OF LEAD & CHROMIUM.

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

Waste Disposal Methods: PRODUCT IS A U.S. EPA DEFINED IGNITABLE
HAZARDOUS WASTE. DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE I/A/W
LOCAL, STATE & FEDERAL REGULATIONS.

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