

KOP-COAT INC -- MIL-P-23377E TYPE 1 CLASS 1 (COMP A) -- 8010-00-082-2450

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Product Identification
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Product ID:MIL-P-23377E TYPE 1 CLASS 1 (COMP A)

MSDS Date:09/01/1988

FSC:8010

NIIN:00-082-2450

Kit Part:Y

MSDS Number: BHMDK

=== 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, 412-227-215

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Emergency Phone Num: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:STRONTIUM CHROMATE (SARA III)

CAS:7789-06-2

RTECS #:GB3240000

Fraction by Wt: 20-25%

OSHA PEL:0.1 PPM CRO3;CEILING

ACGIH TLV:0.0005MG CR

/M3;A2;93
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 5-10%
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 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: 5-10%
OSHA PEL:2 MG/M3 RDUST
ACGIH TLV:2 MG/M3 RDUST; 9192

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1-5%
OS
HA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 1-5%
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: .1-.5%
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 1-5%
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1

000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BISPHENOL A DIGLYCIDYL ETHER
Fraction by Wt: 20-25%

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

Reports of Carcinogenicity:NTP:YES IARC:YES
Health Hazards Acute and Chronic:ASPIRATION OF THIS PRODUCT INTO THE
LUNG MAY CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
Explanation of Carcinogenicity:IARC:CRYSTALLINE SILICA, INCREASED
RESPIRATORY CARCINOGENCTYNTP:CHROMIUM,CERTAIN CHROMIUM
COMPOUNDS,INCREASED LUNG CA

Ef
fects of Overexposure:EYE:MAY CAUSE IRRITATN,TEARG,POSS CORNEAL
DAMG.SKIN:MAY CAUSE DERMATITIS,SENSI- TIZATN,DEFATTG
W/REDNESS,CRACKG,BLISTERG,IRRITATN,DERMATITIS.INHALATN:MAY CAUSE
SEVERE MUCOUS MEMBRANE IRRITATN,KIDNEY/L IVER DAMAGE,RESP TRACT
IRRITATN,CENTRALNERV SYSTM DEPRESSN.INGESTN:GI IRRITATN,ABDOM
PAIN,NAUSEA,VOMITG.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISEASE IN OR HISTORY
OF AILMENTS INVOLVING THE SKIN, RESPIRATORY TRACT, KIDNEY,
LIVER, E
YES.

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

First Aid:EYES: IMMED FLUSH W/LG AMTS WTR FOR 15 MIN.SEEK MED AID.
SKIN:WASH THOROUGHLY W/SOAP,WTR IF SYMPTOMS PERSIST,SEEK MED
AID.WASH CONTAMINATD CLOTHG BEFORE RE- USE. INHALATN:MOVE FROM
EXPOSURE.STOPPD /DIFFICULT BREATHG-ARTIFICIAL RESPIRATN/OXYGEN,SEEK
MED AID. INGESTN:DON'T INDUCE VOMITING.GIVE 1 GLASS MILK OR 1-2 OZ
ACTIVATD CHARCOAL IN WATER AS TOLERATED.SEEK MED AID.***

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

Flash Point:23F/-5C
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 PROTECTV
EQUIP,INCLUDG MSHA/NIOSH APPROVED S.C.B.A. USE WATER TO COOL
FIRE-EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL.
Unusual Fire/Explosion Hazard:VAPORS MAY FORM & TRAVEL ALONG GROUND TO
IGN SOURCE & REIGNITE. O

PEN/CLOSED CONTNRS ARE
FLAMMABLE/EXPLOSIVE, MAY EMIT IRRITANT/TOXIC GAS FUMES.**

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

Spill Release Procedures: STOP IF NO RISK INVOLVED. AVOID BREATHING VAPORS. ELIM ALL IGN SOURCES. VENTILATE AREA. AVOID CONTACT W/HOT LIQ & FUMES. TAKE UP, AVOIDG HEAT & SPARKS. USE INERT ABSORBNT. MATL REACTS W/OXIDIZING MATLS. REPR TO NATL RESPONSE CNTR(1-800-424-8802) >19.9 LBS.

===== Handling and Storage =====
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Handling and Storage Precautions: DO NOT BREATHE VAPORS/MISTS/SPRAY. DO NOT GET ON SKIN, EYES OR ON CLOTHING. DO NOT WEAR CONTAMINATED CLOTHING, DISCARD CONTAMINATED FOOTWEAR.

Other Precautions:** VAPORS CAN FORM EXPLOSIV MIX IN AIR AT ELEVATED TEMPS. DON'T USE OR STORE IN OR AROUND HOME. GROUND AND BOND DRUMS. DON'T USE PRESSURE TO EMPTY DRUMS. KEEP AWAY FROM HEAT & OPEN F LAME.

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

Respiratory

Protection: USE MSHA/NIOSH-APPROVED UNITS TO MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV). IF WITHIN OSHA PROTECTION FACTOR, AIR PURIFYING OV/FILTER UNITS OK.

Ventilation: GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW CURRENT EXPOSURE LIMITS.

Protective Gloves: HEAVY DUTY NEOPRENE OR EQUAL

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

Other Protective Equipment: INDUSTRIAL-TYPE WORK CLOTHG, SAFETY FOOTWEAR, RESISTANT PROTECTV GARMEN

TS(HEAD/NECK

COVER, APRONG, JACKETS, PANTS, BOOTS, ETC.)

Work Hygienic Practices: WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR REST ROOMS.

Supplemental Safety and Health

***DON'T ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
NOTE TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE FOR EFFECTS FROM OVEREXPOSURE TO THIS MATERIAL. TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION.

===== Physical/Chemical Propert

ies =====

HCC:F2

Vapor Density:>1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:VISCOUS LIQUID WITH TYPICAL SOLVENT ODOR

===== 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 IS US EPA DEFINED IGNITABLE HAZARDOUS WASTE. DISPOSE OF AS IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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