

KOP-COAT INC -- MIL-P-24441/7C COMP A (156 RED) -- 8010-01-302-3607
===== Product Identification =====

Product ID:MIL-P-24441/7C COMP A (156 RED)
MSDS Date:03/01/1990
FSC:8010
NIIN:01-302-3607
Kit Part:Y
MSDS Number: BJKVT
=== 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 Num:800-553-5631, CHEMTREC 800-424-9300
Preparer's Name:C.A. HOPE, OHPSD
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

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

Ingred Name:N-BUTYL ALCOHOL (SARA III)
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 20-25%
OSHA PEL:100 PPM
ACGIH TLV:S, C 50 PPM; 9293
EPA Rpt Qty:5

000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TALC (CONTAINING NO ASBESTOS)
CAS:14807-96-6
RTECS #:WW2710000
Fraction by Wt: 1-5%
OSHA PEL:2 MG/M3 RDUST
ACGIH TLV:2 MG/M3 RDUST; 9192

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: 25-30%
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

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

Ingred Name:POLYAMIDE RESIN
Fraction by Wt: 1-5
%

Ingred Name:VOC 3.6 LBS/GAL
RTECS #:9999999VO

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN:PROLONG/REPEATED CONTACT MAY
CAUSE DEFATT. MAY BE ABSORBED RESULTING SYST EFFECTS, SENSITIZ
REACTION IN CERTAIN PERSONS. INHALED:HIGH CONCENTRATE MAY CAUSE
RSPRTRY TRACT IRRIT & CENTR NERV SYST D EPRESS, MAY LEAD TO LUNG

CHANGES. POSSIBLE METAL FUME FEVER(FLU LIKE SYMPT).ASPIRAT MAY
CAUSE CHEM PNEUMON, CAN BE FATAL
Explanation of Carcinogenicity:NO KNOWN INGREDIENTS WHICH OCCUR AT
GREATER THAN 0.1% ARE LISTED AS A CARCINOGEN.
Effects of Overexposure:EYES: DIRECT CONTACT MAY IRRIT. SKIN: MAY CAUSE
REDNESS, CRACKING, BLISTERING, IRRIT & DERMATITIS. INHALED:RSPRTRY
TRACT IRRIT, HEADACHE, WEAKNESS, DIZZ, INCOORD, POSSIBLE COLLAPSE.
METAL FUME FEVER:H EADACHE, DIZZ, METALLIC TASTE, GENERAL FL

U-LIKE

SYMPT. INGEST:NAUSEA, VOMIT, DIARRHEA & EFFECTS SIMILAR TO INHALED.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASE
IN OR HISTORY OF AILMENTS INVOLVING SKIN, EYE, RESPIRATORY TRACT,
LIVER, KIDNEY, CENTRAL NERVOUS SYSTEM ARE AT GREATER THAN NORMAL
RISK OF DEVELOPING ADVERSE EFFECTS.

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

First Aid:EYES:FLUSH W/LG AMTS OF H2O 15 MINS. SEEK MED AID. SKIN:WASH
WELL W/SOAP & H2O, IF SYMP

T DEVELOP/PERSIST, SEEK MED.

INHALED:REMOVE FROM EXPOSURE. IF BREATH STOPPED OR DIFF, ADMIN CPR
OR OXYGEN AS NEED ED, SEEK MED AID. INGEST:DO NOT VOMIT. GIVE 1
GLASS OF MILK OR 1 TO 2 OZ(30 TO 60G)ACTIVATED CHARCOAL IN H2O TO
VICTIM AS TOLERATED. SEEK MED AID.(DO NOT ATTEMPT TO GIVE ANYTHING
BY MOUTH IF UNCONSC)

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

Flash Point Method:CC

Flash Point:99 F/38 C

Extinguishing Media:WATER MAY BE INEFFECTIVE. USE C

O2, DRY CHEM, FOAM,

WATER SPRAY, ALCOHOL OR UNIVERSAL TYPE FOAMS PER MFR
RECOMMENDATIONS

Fire Fighting Procedures:WEAR COMPLETE FIRE SERVICE PROTECTIVE
EQUIPMENT, FULL-FACE MSHA/NIOSH APPROVED SCBA. USE WATER TO COOL
FIRE-EXPOSED CONTAINERS/STRUCTURES/PROTECT PERSONNEL.

Unusual Fire/Explosion Hazard:VAPORS FORM FLAMM/EXPLOS MIX.VAPOR
HEAVY,MAY TRAVEL TO IGNITE SOURCES.CLOSED CONTAIN MAY EXPLODE WHEN
EXPOSED TO EXTREME HEAT(FIRE)MAY EMIT IRRIT/TOXIC GAS/FUME

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

Spill Release Procedures:STOP SPILL/LEAK IF NO RISK. AVOID BREATHING
VAPORS. ELIM IGNITE SOURCES. VENT AREA. AVOID CONTACT W/HOT
LIQ/FUMES. TAKE UP CAREFULLY TO AVOID HEAT/SPARKS. USE INERT ABSORB
TO COMPLETE CLEAN-UP. MATERI AL REACTS W/OXIDIZERS,IF RELEASED INTO
ENVIRON **

Neutralizing Agent:N/K.**REPORT TO NRC 1-800-424-8802. SPILL/LEAK
REPORTABLE AMT IS 100 LBS OR MORE

===== Handling and Storage ==

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Handling and Storage Precautions:STORE AREAS/BLDG DESIGNED TO COMPLY W/OSHA 1910.106. KEEP IN CLOSED,LABELED CONTAIN W/IN A COOL,WELL SHADED,DRY-VENTED AREA. PROTECT FROM PHYSICAL ***

Other Precautions:***DAMAGE. KEEP CONTAIN CLOSED WHEN NOT IN USE. GROUND/BOND DRUMS. DO NOT USE PRESSURE TO EMPTY DRUMS. DO NOT WEAR CONTAM CLOTHES. DISCARD CONTAM FOOTWEAR. KEEP AWAY FROM HEAT & OPEN FLAME. DO NOT USE WITHOUT FULLY UNDERSTANDING. SEE FILE.

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Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENT DOESN'T MAINTAIN EXPOSURE BELOW PEL(TLV)USE MSHA/NIOSH APPROVED UNITS AS PER CURRENT 29CFR1910.134, INSTRUCTIONS/WARNINGS & NIOSH-RSPRTR DECISION LOGIC-PUB.#87.108. IF WITHIN OSHA PROTECTION FACTOR, AIR PURIFYING OV/FILTER UNITS OK.

Ventilation:GEN/LOCAL EXHAUST VENT IN PATTERN/VOLUME TO CONTROL INHALE EXPOSURE BELOW LIMITS & AREAS BELOW FLAMM VAPOR CONCENTRATE

Protective Gloves:INDUST RESIST FLEX-TY(NEOPRENE OR EQUAL)

Eye Protection:INDUST SAFETY GLASSES, MIN. CHEMICAL ****

Other Protective Equipment:****GOGGLES W/SIDE OR FACE SHIELDS. WEAR INDUST-TY WORK CLOTHES & SAFETY FOOTWEAR. DEPENDS ON WORK CONDITION. SEE FILE.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES & RECOMMENDED PROCEDURES. MAINTAIN GOOD HOUSEKEEPING. OBSERVE ALL PRECAUTIONS.

Supplemental Safety and Health

NOTE TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE FOR EFFECTS FROM OVEREXPOSUR

E TO THIS MATERIAL. TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS & THE CLINICAL CONDITIONS. (SEE FILE FOR ADDITIONAL INFORMATION)

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

HCC:F3

Vapor Density:>1

Spec Gravity:12.3-12.8 LB/GL

Viscosity:73-90

Solubility in Water:NEGLIGIBLE

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

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

Stability Indicator/Materials to Avoid:YE

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AVOID OXIDIZING AGENTS, HEAT, SPARKS AND OPEN FLAMES.

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

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

Waste Disposal Methods:THIS PRODUCT IS 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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