

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

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

MSDS Date:09/01/1988

FSC:8010

NIIN:00-082-2450

Kit Part:Y

MSDS Number: BHFMF

=== 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

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:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 15-20%

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000

LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 55-60%

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:N-PROPYL ALCOHOL

CAS:71-23-8

RTECS #:UH8225000

Fraction by Wt: 5-10%

OSHA PEL:200 PPM/250 STEL

ACGIH TLV:S,200PPM/250STEL9192

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:ASPIRATION OF THIS PRODUCT INTO THE LUN

G MAY CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

Effects of Overexposure:EYES:MAY CAUSE IRRITATN.SKIN:MAY CAUSE DEFATTG(REDDNESS,CRACKG,BLISTERG,IRRITATN,DERMATITIS)MAY BE ABSORBD,CAUSING SYSTEMIC EFFECTS.INHALATION:MAY CAUSE RESPIRATORY TRACT IRRITATN,CENTRAL NERV SYSTEM

DEPRESSN(HEADACHE,WEAKNESS,DIZZINESS,IN-COORDINATN,POSS COLLAPSE)INGESTION:MAY CAUSE GI DSTRBNCS(NAUSEA,VOMITG,DIARRHEA)

Medical Cond Aggravated by Exposure:SKIN, EYES, RESPIRATORY TRACT, LIVER, KID

NEY, CENTRAL NERVOUS SYSTEM HAVE GREATER THAN NORMAL

RISK OF DEVELOPING ADVERSE EFFECTS WHEN EXPOSED TO THISMATERIAL, IF THERE ARE PRE-EXISTING CONDITIONS.

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===== First Aid Measures =====
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First Aid:EYES:IMMED FLUSH W/LG AMOUNTS OF WTR FOR 15 MINUTES.SEEK MED AID. SKIN:WASH THOROUGHLY W/SOAP & WTR.IF SYMPTOMS PERSIST,SEEK MED AID.WASH CONTAMINTD CLOTH- ING BEFORE RE-USE. INHALATN:REMOVE FROM EXPOSURE.FOR STOPPED/DIFFICULT BREATHG-A

ADMINISTRATIVE ARTIFICIAL

RESPIRATORY/OXYGEN. SEEK MED AID. INGESTION: DON'T INDUCE VOMITING. GIVE 1
GLASS MILK/1-2-OZ ACTIVATED CHARCOAL IN WATER. SEEK MED AID.

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

Flash Point: 40F/4C

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL OR FOAM. WATER MAY BE
INEFFECTIVE. USE PER MANUFACTURER'S RECOMMENDATIONS.

Fire Fighting Procedures: WEAR COMPLETE FIRE SERVICE PROTECTIVE
EQUIPMENT, INCLUDING FULL-FACE MSHA/NIOSH APPROVED SCBA. USE WATER
TO

COOL FIRE-EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL.

Unusual Fire/Explosion Hazard: VAPORS MAY TRAVEL TO IGNITION SOURCE &
FLASH. OPEN/CLOSED CONTAINERS MAY CONTAIN FLAMMABLE/EXPLOSIVE
VAPORS. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT.

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

Spill Release Procedures: STOP LEAK IF NO RISK INVOLVED. STAY UPWIND.

SMALL SPILLS: TAKE UP WITH NONCOMBUSTIBLE ABSORBENT MATERIAL, FLUSH AREA
WITH WATER. LARGE SPILLS

: DIKE FOR LATER DISPOSAL, CONTAIN RUNOFF FROM
FIRE CONTROL & DILUTE WITH WATER. REPORT LEAK/SPILL >5,834 LBS-NATL
RESPONSE CENTER.

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

Handling and Storage Precautions: AVOID PROLONGED/REPEATED CONTACT
WITH SKIN OR EYES, BREATHING OF VAPORS, MISTS OR FUMES. OBSERVE GOOD
PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES

Other Precautions: STORE IN CLOSED, LABELED CONTAINER IN COOL, DRY-VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE. KEEP

CONTAINERS CLOSED WHEN MATERIAL

NOT IN USE. MAINTAIN GOOD HOUSEKEEPING. GROUND & BOND DRUMS. DON'T USE
PRESSURE TO EMPTY DRUMS. KEEP FROM HEAT & OPEN FLAME.

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

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL (TLV), USE MSHA/NIOSH APPROVED UNITS. IF
WITHIN OSHA PROTECTION FACTOR, AIR PURIFYING OVER/FILTER UNITS ARE OK.

Ventilation: GENERAL/LOCAL EXHAUST
LOCAL EXHAUST IS NE

CESSARY FOR ENCLOSED/CONFINED SPACES.

Protective Gloves:HEAVY DUTY NEOPRENE OR EQUAL

Eye Protection:INDUSTRIAL SAFETY GLASSES

Other Protective Equipment:INDUSTRIAL TYPE WORK CLOTHING AND SAFETY FOOTWEAR,INCLUDING HEAD/NECK

COVER,APRONS,JACKETS,PANTS,COVERALLS,BOOTS,ETC.

Work Hygienic Practices:MAINTAIN GOOD HOUSEKEEPING.

Supplemental Safety and Health

UNDER FIRE CONDITIONS, MAY EMIT IRRITANT/TOXIC GAS AND/OR FUMES. DON'T ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. N

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TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE FOR EFFECTS OF O VEREXPOSURE TO THIS MATERIAL. TREATMENTSHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION.

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

HCC:F2

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

Vapor Density:>1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIQUID WITH A TYPICAL SOLVENT ODOR.

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

Stability Indicator/Mate

rials to Avoid:YES

OXIDIZING AGENTS, HEAT, SPARKS AND OPEN FLAMES

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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