

## **MIL-P-23377E TYPE 1, CLASS 1 (COMP. B)**

### **MSDS Number**

BJDHY

### **National Stock Number**

8010-00-082-2477

### **Product Name**

MIL-P-23377E TYPE 1, CLASS 1 (COMP. B)

### **Manufacturer**

KOP COAT INC

### **Product Identification**

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

MSDS Date:09/01/1988

FSC:8010

NIIN:00-082-2477

Kit Part:Y

MSDS Number: BJDHY

### **Responsible Party**

KOP-COAT INC

436 7TH AVENUE

PITTSBURGH , PA 15219-1818

US

Emergency Phone: 800-553-5631, CHEMTREC 800-424-9300

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

Preparer: C. A. HOPE

Cage: 00297

### **Contractor**

KOP-COAT INC

PITTSBURGH, PA 15219-1818

US

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

Cage: 00297

### **Ingredients**

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 15-20%

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 55-60%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

N-PROPYL ALCOHOL

CAS: 71-23-8

RTECS: UH8225000

Fraction By Weight: 5-10%

OSHA PEL200 PPM/250 STEL

ACGIH TLV: S,200PPM/250STEL9192

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:PRE-EXISTING DISEASE IN OR A HISTORY OF AILMENTS INVOLVING THE SKIN, EYES, RESPIRATORY TRACT, LIVER, KIDNEY, CENTRAL NERVOUS SYSTEM ARE AT A GREATER RISK OF DEVELOPING ADVERSE EFFECTS WHEN EXPOSED TO THIS MATERIAL.

Explanation of Carcinogenicity:NO INGREDIENTS WHICH OCCUR AT GREATER THAN 0.1% ARE LISTED AS A CARCINOGEN IN THE IARC MONOGRAPHS, ETC. Effects of Overexposure:EYE: CONTACT WITH LIQ OR VAPOR MAY CAUSE IRRIT. SKIN: PROLONGED/REPEATED MAY CAUSE DEFATTING OF SKIN, REDNESS, CRACKING, BLISTERING, IRRIT & DERMATITIS. INHAL: HIGH CONCENT OF VAPORS MAY CAUSE RESPIR IRRIT, CENTRL NERV SYS DEPRESS, HEADACHE, WEAKNESS, DIZZINESS, INCOORDINATION, COLLAPSE, NAUSEA, VOMITING, & DIARRHEA.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISEASE IN THE HISTORY OF AILMENTS INVOLVING SKIN, EYE, RESPIRATORY TRACT, LIVER, KIDNEYS, CENTRAL NERVOUS SYSTEM, ARE AT A GREATER RISK OF DEVELOPING ADVERSE EFFECTS.

## First Aid

First Aid:EYE: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. SKIN: WASH THOROUGHLY WITH SOAP & WATER. INHALATION: REMOVE FROM EXPOSURE, GIVE CPR. GIVE OXYGEN IF BREATHING HAS STOPPED OR IS DIFFI CULT. INGESTION: DO NOT INDUCE VOMITING. GIVE 1 GLASS MILK OR 1-2 OZ (30 TO 60G) ACTIVE CHARCOAL IN WATER. GET MEDICAL ATTENTION IMMEDIATELY FOR ANY OF THESE CONDITIONS.

## Fire Fighting

Flash Point:40F/4C

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 PROTECTIVE EQUIPMENT, FULL-FACE MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:VPRS HIGHLY COMBUSTIBLE MAY TRVL AS BELOW GROUND LEVEL IGNITE /FLASH SOURCE. USE WATER TO COOL EXPOSED CONTAINERS.VPRS AT HIGH TEMP EVOL. HCL, CL2 & PHOSGENE.

## Accidental Release

Spill Release Procedures:STOP SPILL/LEAK. AVOID BREATHING VAPORS. ELIMINATE ALL IGNITE SOURCES. VENT AREA, AVOID CONTACT WITH HOT LIQUID & FUMES. USE INERT ABSORBANT MATERIAL IF PRODUCT IS RELEASE INTO ENVIRONMENT, MUST REPOR T TO NATIONAL RESPONSE CENTER 1-800-424-9902.

## Handling

Handling and Storage Precautions:STORE IN AREAS TO COMPLY WITH OSHA

1910.106.107. GROUND/BOND DRUMS, WHEN IN USE. DO NOT USE PRESSURE TO EMPTY DRUMS & KEEP AWAY FROM HEAT & FLAME.  
Other Precautions: AVOID PROLONGED/REPEATED CONTACT WITH SKIN OR EYES. DO NOT WEAR CONTACT LENS WHILE USING THIS PRODUCT.

## Exposure Controls

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

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

Protective Gloves: FLEXIBLE HEAVY DUTY NEOPRENE GLOVES

Eye Protection: CHEM-SPLASH GOGGLES AND/OR FACESHIELDS

Other Protective Equipment: WEAR INDUSTRIAL TYPE WORK CLOTHING AND SAFETY FOOTWEAR, FULLBODY COVER DEPENDING ON WORKING CONDITIONS.

Work Hygienic Practices: WASH THOROUGHLY BEFORE/AFTER USE OF THIS PRODUCT & BEFORE EATING. OBSERVE GOOD PERSONAL HYGIENE PRACTICES.

Supplemental Safety and Health

HIGHLY FLAMMABLE LIQUID! KEEP AWAY FROM HEAT/OPEN FLAME. AIRBORNE PARTICULATE MAY BE GENERATED DURING REMOVAL OPERATIONS, AS CUTTING, DRILLING, GRINDING, SANDING USE PROPER SAFETY EQUIPMENT. DO NOT CUT, DRILL, GRIND WELD ON OR NEAR, VAPOR EXPLOSIVE EVEN IN EMPTY CONTAINERS.

## Chemical Properties

HCC: F2

Vapor Density: AIR = 1 > 1

Appearance and Odor: VISCOUS LIQUID WITH TYPICAL SOLVENT ODOR

## Stability

Stability Indicator/Materials to Avoid: YES

AVOID OXIDIZING AGENTS, HEAT, SPARKS AND OPEN FLAMES.

Stability Condition to Avoid: NONE

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

## Disposal

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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.