

KOP-COAT, INC. -- BITUMASTIC 50 COMMODITY NUMBER 52101001 -- 8030-00-275-8121

===== Product Identification =====

Product ID:BITUMASTIC 50 COMMODITY NUMBER 52101001

MSDS Date:01/01/1989

FSC:8030

NIIN:00-275-8121

MSDS Number: BHMJC

=== Responsible Party ===

Company Name:KOP-COAT, INC.

Address:436 SEVENTH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219

Country:US

Info Phone Num:1-800-556-7737

Emergency Phone Num:1-800-553-5631

CAGE:HO783

=== 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

Company Name:KOP-COAT, INC.

Address:436 SEVENTH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219

Country:US

Phone:800-547-2468

CAGE:HO783

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

Ingred Name:COAL TAR PITCH VOLATILES (BENZENE SOLUBLE FRACTION),

ANTHRACENE, BAP, PHENANTHRACENE, ACRIDINE, CHRYSENE, PYRENE.

CAS:65996-93-

2
RTECS #:GF8655000
Fraction by Wt: < 20%
OSHA PEL:0.2 MG/M3
ACGIH TLV:0.2 MG/M3, A1; 9192

Ingred Name:CREOSOTE (SARA III)
CAS:8001-58-9
RTECS #:GF8615000
Fraction by Wt: < 25%
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: < 2%
OSHA PEL:10 PPM/15 STEL
ACGIH TLV:10 PPM/15 STEL; 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:INDENE
CAS:95-13-6
RTECS #:NK8225000
Fraction by Wt: < 15%
OSHA PEL:10 PPM
ACGIH TLV:10 PPM
; 9192

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: < 0.5%
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: < 2%
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:

YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYE: IRRITATION &/OR CORNEAL CHANGES. SKIN: IRRITATION, ACCENT BY SUNLIGHT, PHOTOTOXIC SKIN REACTION. PROLONGED SKIN DISORDERS, CANCER. HEATED THERMAL BURNS. ABSORBED INTERNAL ORGAN DAMAGE, POSSIBLE DEATH. INHALATION: RESPIRATORY TRACT IRRITATION, RESPIRATORY DIFFICULTY, CNS, DIZZINESS, UNCONSCIOUSNESS, COLLAPSE, POSSIBLE DEATH, LEUKEMIA. INGESTION: GASTROINTESTINAL DISTURBANCE, IRRITATION, SEE BELOW

Explanation of Carcinogenicity:IARC MONOGRAPHS STATE THAT THERE IS

SUFFICIENT EVIDENCE THAT COAL TAR PITCHES ARE CARCINOGENIC IN HUMANS.

Effects of Overexposure:INGESTION: GASTRO DISTURBANCE, IRRITATION, NAUSEA, VOMIT, ABDOMINAL PAIN & EXTREME CASES CARDIOVASCULAR INVOLVEMENT. SEE ABOVE ALSO. EYE: DIRECT EYE CONTACT MAY CAUSE IRRITATION. SKIN: CHRONIC OVEREXPOSURE MAY LEAD TO LEUKEMIA.

Medical Condition Aggravated by Exposure:HISTORY OF DISEASE IN LIVER, KIDNEY, SKIN, EYE, CNS, RESPIRATORY SYSTEM, BLOOD-FORMING ORGANS, OR WITH BLEEDING ABNORMALITIES, OR

EXPOSURE TO MATERIAL HARMFUL TO THESE SYSTEMS ARE AT A GREATER THAN NORMAL HEALTH RISK

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

First Aid:EYE: IMMEDIATE FLUSH WITH LARGE AMOUNTS OF WATER 15 MIN. SEEK MEDICAL AID. SKIN: WASH THOROUGHLY WITH SOAP & WATER OR WATERLESS HAND CLEANER. MOLTEN PRODUCT, DO NOT REMOVE CONTAMINATED CLOTHES. FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF COLD WATER. POSSIBLE, SUBMERGE AREA IN COLD WATER. PACK WITH ICE. SEEK MEDICAL AID. INHALATION: REMOVE FROM EXPOSURE. IF BREATH STOP OR DIFFICULTY, ADMINISTER

CPR/OXYGEN AS INDICATED. SEEK MEDICAL AID. INGESTION: DO NOT INDUCE VOMIT. 1-2 GLASS MILK

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

Flash Point Method:PMCC

Flash Point:100 F/ 38 C

Lower Limits:ND

Upper Limits:ND

Extinguishing Media:USE DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER SPRAY. WATER OR FOAM MAY CAUSE FROTHING, IF MOLTEN

Fire Fighting Procedures:WEAR COMPLETE FIRE SERVICE PROTECTIVE EQUIP, FULL-FACE MSHA/NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS

WATER TO COOL. TOXIC VAPORS MAY BE GIVEN OFF
Unusual Fire/Explosion Hazard:WHEN HEATED, VAPOR/DECOMP MAY BE RELEASED
FORM FLAMM/EXPLOSIVE MIX IN AIR. CLOSED CONTAIN MAY EXPLODE WHEN
EXPOSED TO EXTREME HEAT. VAP HEAVIER-AIR MAY TRAVEL

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

Spill Release Procedures:STOP LEAK IF NOT RISK. STAY UPWIND. SML: TAKE
UP W/SAND OR OTHER NONCOMBUST ABSORBENT. FLUSH AREA W/WATER. DIKE
LARGE SPILLS FOR LATER DISPOSAL. CONT
AIN RUNOFF FROM FIRE CONTROL
AND DILUTION WATER

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

Handling and Storage Precautions:AVOID PROLONGED BREATH OF VAPORS, MIST
ETC. OR CONTACT. APPLICATION OF CERTAIN PROTECTICE CREAMS BEFORE
USE, SEVERAL APPLICATIONS BENEFICIAL.

Other Precautions:STORE IN AREA/BLDG DESIGN TO COMPLY WITH OSHA
1910.106. KEEP IN A CLOSED, LABELED CONT WITHIN A COOL (WELL
SHADED), DRY VENT AEA. PROTECT FROM PHYSICAL DAMAGE. NOT FOR

USE/STORAGE IN/AROUND HOME. DO NOT TAKE INTERNALLY. UNDERSTAND
PRECAUTION

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

Respiratory Protection:IF VENT DOES NOT MAINTAIN INHAL EXPOSURES BELOW
TLV(PEL), USE MSHA/NIOSH APPROVED UNTIS. PER INSTRUC/WARNING.
COMBINATION FILTER/ORGANIC VAPOR CARTRIDGE OR CANISTERS MAY BE
USED. FULL FACE PIECE RESPI RATORY PROTECTIVE UNITS REQUIRED

Ventilation:SUFFICIENT GEN/LOCAL EXHAUST VENT IN PATTERN/VOL TO CONTROL
INHA

L EXPOSURER BELOW CURRENT EXPOSRE LIMIT/AREA BELOW FLAMM

Protective Gloves:RESISTANT FLEXIBLE TYPE GLOVES, INDUSTR

Eye Protection:INDUST SAFETY GLASS/SIDE SHIELDS/GOGGLES

Other Protective Equipment:WEAR INDUSTRIAL TY WORK CLOTHING & SAFETY
FOOTWEAR. DEPENDING ON WORKING COND, IMPERVIOUS PROTECTIVE
GARMENTS, APRON, ET

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUE IN

CLUDING FLAMMABLE OR
EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND OR WELD ON OR NEAR FULL,
PARTIALLY FULL OR EMPTY PRODUCT CONTAINERS. DO NOT USE UNTIL MANU
FACTURER'S PRECAUTIONS HAVE BEEN READ/UNDERSTOOD. WASH EXPOSED
AREAS PROMPTLY & THOROUGHLY AFTER SKIN CONTACT.

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

HCC:F4
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:ND
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:10.7
pH:ND
Evaporation Rate & Referen
ce:VERY SLOW
Solubility in Water:NIL
Appearance and Odor:BLACK LIQUID WITH COAL TAR ODOR
Percent Volatiles by Volume:32

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

AVOID OXIDIZING MATERIALS. AVOID CONTACT WITH PVC PIPE.
Hazardous Decomposition Products:TOXIC FUMES

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

Waste Disposal Methods:EPA DEFINED INGITE HAZARD WASTE. DISPOSE OF
IGNITEHAZARD IN ACCORD W/LOCAL, STATE & FED REG. TIGHTLYSEALED
L
ABLED CONT. IF RELEASE INTO ENVIR MUST REPORT NRC 1-800-424-880.
IF 100 LBS OR MORE. DISPOSE OF INDUST WASTE ACCD STATE, FED ETC.
EXCEPT IN CA

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