

KOPPERS CO INC -- MIL-L-19537C AM3 (16473 GRAY) -- 8010-00-527-2478

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Product Identification  
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Product ID:MIL-L-19537C AM3 (16473 GRAY)

MSDS Date:09/01/1988

FSC:8010

NIIN:00-527-2478

MSDS Number: BTZZX

=== Responsible Party ===

Company Name:KOPPERS CO INC

Address:3000 KOPPERS BLDG

City:PITTSBURGH

State:PA

ZIP:15219-1818

Country:US

Info Phone Num:800-553-5631

Emergency Phone Num:800-553-56

31, CHEMTREC 800-424-9300

CAGE:80592

=== Contractor Identification ===

Company Name:KOPPERS CO INC

Address:3000 KOPPERS BLDG

Box:City:PITTSBURGH

State:PA

ZIP:15219-1818

Country:US

CAGE:80592

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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: 5-10%

Other REC Limits:NONE ESTABLISHED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:DI-SEC-OCTYL PHTHALATE (DI-2-ETHYLHEXYLPHTHALATE) (SARA III)

CAS:117-81-7  
RTECS #:TI0350000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; 9394  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:N-BUTYL ACETATE (SARA III)

CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 15-20%  
Other REC Limits:  
NONE SPECIFIED  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 30-35%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:400 P

PM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:IRRITATION. SKIN: DEFATTING,  
IRRITATION. INHALATION:MAY CAUSE RESPIRATORY TRACT IRRITATION AND  
CNS DEPRESSION. INGESTION:IRRITATION OF GI TRACT, ASPIRATION INTO  
LUNGS MAY CAUSE CHEMICAL PNEUMONITIS. CHRONIC-DERMATITIS, LIVER

KIDNEY & CNS DAMAGE. TARGET ORGANS:SKIN, LUNGS, LIVER AND KIDNEY.

Explanation of Carcinogenicity:NTP HAS DETERMINED THAT THERE IS  
SUFFICIENT EVIDENCE FOR CARCINOGENICITY OF DIOCTYL PHTHALATE IN  
EXPERIMENTAL ANIMALS.

Effects of Overexposure:INHALATION-HEADACHE, WEAKNESS, DIZZINESS,  
INCOORDINATION & POSSIBLE COLLAPSE. INGESTION:NAUSEA, VOMITING,  
DIARRHEA & EFFECTS SIMILAR TO THOSE DESCRIBED UNDER INHALATION.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISEASE IN OR A

HISTORY OF AILMENTS INVOLVING SKIN, EYE, RESPIRATORY TRACT, LIVER,  
KIDNEY, CENTRAL NERVOUS SYSTEM ARE A GREATER THAN NORMAL RISK OF  
DEVELOPING ADVERSE EFFECTS W/EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED.  
EYE CONTACT:FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP. SKIN  
CONTACT:WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET  
MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTION:DO NOT INDUCE  
VOMITING, DRINK 1-2 GLASSES OF WATER OR MILK. GET MEDICAL HELP  
IMMEDIATELY.

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

Flash Point Method:CC

Flash Point:24.0F,-4.4C

Autoignition Temp:Autoignition Temp Text:NIF

Extinguishing Media:USE CO2, DRY CHEMICAL, WATER SPRAY, ALCOHOL OR  
UNIVERSAL TYPE FOAM PER MFR'S RECOMMENDATIONS. WATER MAY BE  
INEFFECTIVE.

Fire Fighting Procedures:WEAR COMPLETE FIRE SERVICE PROTECTIVE EQUIP,

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NCLUDING FULL-FACE MSHA/NIOSH APPROVED SCBA. USE WATER TO COOL  
FIRE- EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL  
Unusual Fire/Explosion Hazard:VAPORS FORM FLAM/EXPLOSIVE MIXTURE IN  
AIR. VAPORS MAY TRAVEL TO IGNITION SOURCE & FLASH BACK. CLOSED  
CONTAINER MAY EXPLODE W/HEAT. MAY EMIT IRRIT/TOXIC GAS/FUME

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

Spill Release Procedures:STOP SPILL/LEAK IF NO RISK INVOLVED. WEAR  
PROTECTIVE EQUIPMENT. AVOID BREATHING VAP  
ORS. REMOVE IGNITION  
SOURCES. VENT AREA. AVOID CONTACT W/HOT LIQUID & FUMES. AVOID  
HEAT/SPARKS. USE INERT ABSORBENTS TO COMPLETE CLEAN-UP.

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

Handling and Storage Precautions:AVOID CONTACT W/SKIN OR EYES &  
BREATHING OF VAPORS/MISTS. HANDLE, USE, SPRAY PAINT PER 29 CFR  
1910.107.

Other Precautions:STORAGE PER OSHA 1910.106. KEEP IN CLOSED, LABELED  
CONTAINER IN A COOL, DRY, WELL-VENT AREA. KEEP FROM IGNITION

SOURCES. PROTECT FROM PHYSICAL DAMAGE. DO NOT USE PRESSURE TO EMPTY  
DRUMS. DO NOT WEAR C ONTAM CLOTHING. DISCARD CONTAM FOOTWEAR.

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

Respiratory Protection:IF VENT DOES NOT MAINTAIN INHAL EXPOS BELOW  
PEL(TLV), USE MSHA/NIOSH APPR'D UNITS AS PER 29 CFR 1910.134,  
INSTRUCTIONS/ WARNINGS & NIOSH-RESPIRATOR DECISION  
LOGIC-PUB.#87.108. IF WITHIN, OSHA PROTECT FACTOR, AIR PURIFYING  
OV/FILTER UNIT OK

Ventilation:SUFF

ICIENT GENERAL/LOCAL EXHAUST VENTILATION TO CONTROL  
INHALATION EXPOSURE. LOCAL EXHAUST IN CONFINED/ENCLOSED SPACES.

Protective Gloves:HEAVY DUTY NEOPRENE OR EQUAL.

Eye Protection:SAFETY GLASSES, SIDE SHIELDS, GOGGLES.

Other Protective Equipment:WEAR INDUST-TYPE WORK CLOTH & SAFETY SHOES.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES.

MAINTAIN GOOD HOUSEKEEPING. THOROUGHLY WASH BEFORE EATING,  
DRINKING, SMOKING.

Supplemental Safety and Health

IF THIS PRODUCT IS RELEAS

ED INTO THE ENVIRONMENT MUST BE REPORTED TO THE NAT'L RESPONSE CENTER (1-800-424-8802). THE REPORTABLE QUANTITY IS 100 LBS. OR MORE. DO NOT WEAR CONTACT LENS WITHOUT PROPER EYE PROTECTION WHEN USING THIS PRODUCT.

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

HCC:F2

Vapor Density:>1

Viscosity:NIF

Solubility in Water:NEGLIGIBLE

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

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

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Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, HEAT, SPARKS AND OPEN FLAMES.

Stability Condition to Avoid:NONE

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

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

Waste Disposal Methods:THIS PRODUCT IS A US EPA DEFINED IGNITABLE HAZARDOUS WASTE. DISPOSE OF AS AN IGNITABLE HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer

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