

KOPPERS COMPANY, INC. -- MIL L 46195A TYI (SA14947 GREEN)AEROSOL -- 8010-01-016-1488

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Product Identification
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Product ID:MIL L 46195A TYI (SA14947 GREEN)AEROSOL

MSDS Date:10/01/1989

FSC:8010

NIIN:01-016-1488

MSDS Number: BHNBM

=== Responsible Party ===

Company Name:KOPPERS COMPANY, INC.

Address:436 SEVENTH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219

Country:US

Info Phone Num:412-227-2911

Emergency Phone Num:800-553-5631/800-424-9300

CAGE:EO463

=== Contractor Identification ===

Company Name:KOPPERS CO INC

Address:3000 KOPPERS BLDG

Box:City:PITTSBURGH

State:PA

ZIP:15219-1818

Country:US

CAGE:80592

Company Name:KOPPERS COMPANY, INC.

CAGE:EO463

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Composition/Information on Ingredients
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Ingred Name:N-BUTYL ACETATE (SARA III)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 20-25%

OSHA PEL:150 PPM/200 STEL

ACGIH TLV:150 PPM/200STEL;9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 1-5%

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:IRON OXIDE

CAS:1309-37-1

Fraction by Wt: 5-10%

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: 1-5%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

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

CAS:78-93-3

RTECS #:EL6475000

Fraction

by Wt: 15-20%

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 5-10%

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:AMORPHOUS SILICON DIOXIDE

CAS:61790-53-2

Fraction by Wt: 15-20%

OSHA PEL:20 MPPCF

ACGIH TLV:10 MG/M3 TDUST; 9293

==== Hazards Identification =====

Routes of En

try: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: YES OSHA: YES
Health Hazards Acute and Chronic: INHALE: MAY CAUSE RESP TRACT IRR AND
CENTRAL NERVOUS SYS DEPRESSION. CHARACTER:
HEADACHE, WEAKNESS, DIZZINESS, INCOORDINATION, POSS
COLLAPSE. RPTD/PROLONGED INHALE OF AIRBORNE PARTICLES MAY LEAD TO
LUNG D ISEASE. FUMES MAY CAUSE METAL FUME
FEVER. CHARACTER: HEADACHE, DIZZINESS, METALLIC TASTE IN MOUTH, GEN
FLU-LIKE SYMPTOMS.

Explanation of Carcinogen
icity: CRYSTALLINE SILICA, Z TOXIC HAVE BEEN
LISTED AS CARCINO- GENS.

Effects of Overexposure: SEE ABOVE. EYES: DIR CONTACT W/LIQ OR VAPOR MAY
CAUSE IRRITATION.
SKIN: DEFATTING RED, CRACK, BLISTERING, IRR, DERMATITIS. MAY BE ABSOR
THRU SKIN. INGEST: NAUSEA, VOMIT DIARRHEA, SEE INHALE. ASPIRATION MAY
CAUSE CHEM PNEU CAN BE FATAL. FOR INHALE SEE ABOVE.

Medical Cond Aggravated by Exposure: PRE-EXIST DISEASE/HISTORY OF
AILMENT INVOLVE SKIN, EYE, RESP TRACT, LIVER, KIDNEY, CENTRAL NERVOUS

SYS ARE AT A GREATER RISK THAN NORM OF DEVELOPE ADVERSE
EFFECTS WHEN EXPOSED TO THIS MATERIAL.

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

First Aid: EYE: IMMEDIATELY FLUSH W/WTR FOR 15 MIN. SEEK MED AID. SKIN: WSH
W/SOAP & WTR. REDNESS, ITCH, BURN, OTHER SYPTMS, SEEK MED AID. WSH CONT
CLOTH. INHALE: REMOVE FROM EXPOS. BREATH DIFF/STOPPED, CPR/OXYGEN. GET
MED AID. INGEST: DO NOT INDUCE VOMIT. 1 GLASS MILK/1-2 OZ (30G-60G)
ACTIVATED CHARCOAL IN WTR AS TOLERATED. GET M
ED AID. DO NOT ATTEMPT
TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method: TCC

Flash Point: NR

Extinguishing Media: CARBON DIOXIDE, DRY CHEM/FOAM. WTR MAY BE
INEFFECTIVE. USE CARBON DIOXIDE, DRY CHEM, WTR SPRAY, ALCOHOL OR
UNIV FOAMS.

Fire Fighting Procedures: COMPLETE FIRE SERV PROT EQUIP, INCLUD FULL-FACE
MSHA/NIOSH APPRV BREAHP APPARATUS. USE WATER TO COOL FIRE-EXPOSED
CONT/STRUCTURE/PROTECT

PERSONNEL.

Unusual Fire/Explosion Hazard:VAPORS FORM FLAM/EXPLO MIX IN AIR.VAPORS HEAVY,MAY TRAV GRND ETC TO IGN SOURCE. CONT MAY EXPLODE FROM EXT HEAT. UNDER FIRE COND MAY EMIT IRR/TOXIC GAS/FUMES.

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

Spill Release Procedures:ELIM ALL SOURCES OF IGN.VENT AREA.AVOID CONTACT W/HOT LIQ,FUMES HEAT SPARKS.USE INERT ABSORBENT. MUST REPORT ENVIR RELEASE TO NAT RESPONSE CENTER. REPORTABLE QUANTITY IS 100 LBS OR MORE
. AVOID BREATHING VAPORS.STOP SPILL/LEAK IF NO RISK INVOL.

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

Handling and Storage Precautions:AVOID PROLONGED OR REPEATED CONTACT W/SKIN,EYES. AVOID PROLONGED BREATHING,MISTS OR FUMES. HANDLE AND USE IN ACCORDANCE WITH OSHA REGULATIONS.
Other Precautions:NOTE TO PHYSICIAN:THERE IS NO SPEC ANTIDOTE FOR EFFECT OF OVEREXPOSE.TREAT SYMP AND CLINICAL CONDITION. DONT USE WITHOUT FULLY READING AND UNDERSTANDING M SDS. GROUND & BOND DRUMS.
DONT USE PRESSURE T O EMPTY DRUMS.

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

Respiratory Protection:IF VENT DOES NOT MAINTAIN INHALE EXP BELOW PEL(TLV),USE MSHA/NIOSH APPRVED UNITSPER 29 CFR 1910.134,INSTRUC/WARN AND NIOSH-RESPIR DECISION LOGIC-PUB #87.108.IF WITHIN OSH PROT FACTOR, AIR PURIFYING OV /FILTER UNITS O.K.
Ventilation:SUFFICIENT GEN/LOC EXHAUST VENT IN PAT/VOL TO CONTROL EXPOSURE BELOW FLAM LIMITS.SEE OS HA REQ/NIOSH PUB 87-113.
Protective Gloves:INDUSTRIAL RESISTANT FLEXIBLE GLOVES.
Eye Protection:INDUST SAFETY GLASSES, MINIMAL.
Other Protective Equipment:SIDE SHIELDS,GOGGLES/FACESHIELD.CHEMICAL GOGGLES IF SPLASH WEAR INDUSTRIAL CLOTHING, SAFETY FOOTWEAR.
Work Hygienic Practices:WASH EXPOSED AREAS PROMPTLY AFTER CONTACT. WASH BEFORE EAT, DRINKING,USING TOBACCO PRODUCTS OR RESTROOMS.
Supplemental Safety and Health
DONT WEAR CONTACT LENS WITHOUT PROPER EYE PROTECTION WHEN USING PRODU

CONT. EMPTY CONT MAY RETAIN PROD RESIDUE. DONT CUT,DRILL,GRIND
OR WELD NEAR FULL,PARTIALLY FULL OR EMPTY CONT. KEEP CONT CLOSED
STO RED IN COOL,DRY-VENTILATED AREA. PROTECTFROM PHYSICAL DAMAGE.
KEEP CONT CLOSED WHEN MATERIAL IS NOT IN USE.

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

Melt/Freeze Pt:M.P/F.P Text:NA
Vapor Density:> AIR
Spec Gravity:9.62 +/-0.2*
pH:NA
Viscosity:82-92 KU
Solubility in Water:NEGLIGIBLE
Appearance and Odor:GREEN VISCOUS LIQUID WI
TH A TYPICAL SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid:NO
AVOID OXIDIZING AGENTS, HEAT, SPARKS AND OPEN FLAME.
Stability Condition to Avoid:AVOID OXIDIZING AGENTS,HEAT,SPARKS AND
OPEN FLAME.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBODN DIOXIDE UPON
THERMAL DECOMPOSITION.

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

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

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