

DEVOE COATINGS COMPANY -- DEVOE ABC #3 BLACK ABLATIVE ANTIFOULING COATING --
8010-01-210-7813

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

Product ID:DEVOE ABC #3 BLACK ABLATIVE ANTIFOULING COATING

MSDS Date:05/10/1994

FSC:8010

NIIN:01-210-7813

MSDS Number: BTWHG

=== Responsible Party ===

Company Name:DEVOE COATINGS COMPANY

Address:4000 DUPONT CIRCLE

City:LOUISVILLE

State:KY

ZIP:40207

Country:US

Info Phone

Num:502-897-9861

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:LOUIS F HOLZKNECHT

CAGE:1HK86

=== Contractor Identification ===

Company Name:DEVOE COATINGS CO

Address:4000 DUPONT CIRCLE

Box:7600

City:LOUISVILLE

State:KY

ZIP:40207-4802

Country:US

Phone:502-897-9861

CAGE:1HK86

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

Ingred Name:COPPER OXIDE (SARA III)

CAS:1317-39-1

RTECS #:GL8050000

Fraction by Wt: 45%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

CU
ACGIH TLV:1 MG/M3 CU

Ingred Name:IRON OXIDE
CAS:1317-61-9
Fraction by Wt: 5 GM/KG
RAT,ORAL)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC OXIDE (LD50: >24 GM/KG)
CAS:1314-13-2
RTECS #:ZH4810000
Fraction by Wt: 15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST

Ingred Name:N-BUTYL ALCOHOL (SARA III) (VAPOR PRESSURE 4.2
MM HG)
(LD50: 2.5 GM/KG ORAL,RAT; LC50: 8000 PPM 4 HR,RAT)
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM CEILING LIMIT
ACGIH TLV:50 PPM CEILING LIMIT
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CALCULATED VOC: 378.96 GM/L
RTECS #:9999999VO
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:N

TP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION: RESPIRATORY TRACT IRRITATION; HEADACHE, NAUSEA, DIZZINESS, WEAKNESS, FATIGUE. EXTREME HIGH CONCENTRATIONS: UNCONSCIOUSNESS, RESPIRATORY ARREST. SKIN/EYE: IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. INGESTION: CAN CAUSE STOMACH AND/OR INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

Effects of Overexposure:ASPIRATION CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. CONCENTRATING

AND INHALING CONTENTS MAY BE FATAL.

CHRONIC: REPORTS ASSOCIATE REPEATED/PROLONGED OVEREXPOSURE TO SOLVENTS W/PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.

PROLONGED/REPEATED BREATHING OF SPRAY/DUST OVER PERIOD OF YEARS MAY CAUSE DUST DISEASE OF LUNGS.

Medical Cond Aggravated by Exposure:NONE, WHEN USED IN ACCORDANCE WITH SAFE HANDLING AND USE INFORMATION.

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

First Aid:INHALATION: IF BREATHING DIFFICULTY, REMOVE TO FRESH AIR. IF

CONTINUED DIFFICULTY, GET MEDICAL AID IMMEDIATELY. IF BREATHING STOPS, RESTORE WITH CPR, GET MEDICAL AID IMMEDIATELY. EYE: FLUSH IMMEDIATELY WITH WATER 15 MINUTES. GET MED AID. SKIN: WASH WITH SOAP AND WATER. REMOVE SOILED CLOTHING. GET MEDICAL AID IF IRRITATION PERSISTS. INGESTION: CONSULT PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

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

Flash Point Method:SCC

Flash Point:80.0F,26.7C

Lo

wer Limits:1

Extinguishing Media:IN CASE OF FIRE USE CO2, DRY CHEMICAL, FOAM, OR OTHER NFPA APPROVED METHOD FOR TREATING A CLASS B FIRE.

Fire Fighting Procedures:GET PROF FIREFIGHTERS.PROTECT EQUIP W/SCBA.WATER MAY BE INEFFECTIVE,USE (FOG NOZZLE) TO COOL CLOSED CONTAINERS & PREVENT PRESSURE BUILD UP OR AUTOIGNITION.

Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD.KEEP FROM HEAT/IGNIT.VAPOR MAY CAUSE FLASH FIRE.VAPOR IGNITE EXPLOS.NEVER USE WELD/CUT TORCH ON/NEAR CNTNR (EVEN EMP

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. PREVENT BREATHING OF VAPORS. VENTILATE AREA. BEFORE CLEAN-UP, SEE HAZARD CAUTION INFO IN MSDS. CONTAIN SPILL & REMOVE WITH INERT ABSORBENT & NON-SPARKING TOOLS. STORE I N CLOSED CONTAINER TILL PROPERLY DISPOSED OF.

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

Handling and Storage Precautions:KEEP AWAY FR OM HEAT,IGNIT SOURCE.DON'T SMOKE.EXTINGUISH PILOT LIGHT/IGNIT SOURCE.VAPORS MAY IGNITE EXPLOSIVELY.VAPOR MAY SPREAD LONG DISTANCE BEYOND *
Other Precautions:* CLOSED DOOR. PREVENT VAPOR BLDUP W/FLOW OF FRESH AIR. DON'T STORE >120F/NEAR OPEN FLAME. STORE LRG QTY IN BLDGS TO COMPLY W/OSHA 1910.106.KEEP CNTNR CLOSED WHEN NOT IN USE.DON'T TRANSFER TO BOTTLE/U NLABELLED CNTNR.DON'T REUSE EMPTY CNTNR.

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

Respiratory

Protection:DON'T BREATHE VAPOR/DUST.WHEN SPRAY IN OUTDOOR/OPEN AREA,USE NIOSH/MSHA MECHANICAL FILTER RSPRTR.RESTRICTED VENT,NIOSH/MSHA CHEM/MECHANICAL FILTER.CONFINED AREA,NIOSH/MSHA AIR SUPPLY RSPRTR/HOOD.USE N IOSH/MSHA RSPRTR WHEN FLAME CUT/WELDING.

Ventilation:GENERAL DILUTION OR LOCAL EXHAUST TO KEEP BELOW TLV/PEL WHEN MIXING, APPLICATION, CURING, OR SANDING COATED MATERIAL. **

Protective Gloves:SOLVENT IMPERMEABLE GLOVES RECOMMENDED

Eye Protection:SOVLNT RESISTNT W/SPL ASH GUARDS,SIDESHLD

Other Protective Equipment:DO NOT GET ON SKIN. SOLVENT IMPERMEABLE CLOTHING & BOOTS TO PREVENT SKIN CONTACT ARE RECOMMENDED.

Work Hygienic Practices:REMOVE AND WASH SOILED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING OR SMOKING.

Supplemental Safety and Health

** VAPORS MAY SPREAD LONG DISTANCE. PREVENT BUILD-UP BY REMOVING HEAVY SOLVENT VAPORS FROM LOWER LEVELS OF THE WORK AREA. ELIMINATE ALL IGNITION SOURCES.

===== Physical/Chemical Properti

es =====

Boiling Pt:B.P. Text:244 TO 644F

Vapor Density:> AIR

Spec Gravity:1.87-2.07

Viscosity:70-110 KU

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:SLIGHT

Appearance and Odor:BLACK VISCOUS LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:45.43

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, ZINC

COMPOUNDS, COPPER COMPOUNDS, OXIDES OF NITROGEN, OXIDES OF SULFUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. INCINERATE ONLY IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. EPA WASTE CODE: D001, PESTICIDE, IGNITABLE.

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