

DEVOE COATINGS COMPANY -- BAR RUST 235 MULTI-PURPOSE EPOXY COATING, BLACK BASE --  
8010-01-316-6020

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

Product ID:BAR RUST 235 MULTI-PURPOSE EPOXY COATING, BLACK BASE

MSDS Date:05/10/1994

FSC:8010

NIIN:01-316-6020

Kit Part:Y

MSDS Number: BTWJP

=== 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 HOZKNECHT

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:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:

3.5 MG/M3  
ACGIH TLV:3.5 MG/M3

Ingred Name:SILICA, CRYSTALLINE  
CAS:14808-60-7  
RTECS #:VV7330000  
Fraction by Wt: 0.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3 (RESP)  
ACGIH TLV:0.1 MG/M3 (RESP)

Ingred Name:EPOXY RESIN (LD50: >5000 MG/KG [RAT,ORAL])  
CAS:25068-38-6  
RTECS #:KC2100000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HIGH FLASH AROMATIC NAPHTHA (SARA III) (VAPOR PRESSURE 10  
MM HG) (LD50: >5 GM/KG [RAT,ORAL] LC50: >3670 PPM [RAT,8 HR])  
CAS:64742-95-6  
Fraction by Wt: 10%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:100 PPM

Ingred Name:HYDROCARBON RESIN  
CAS:68240-01-7  
Fraction by Wt: 10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM SILICATE  
CAS:14807-96-6  
RTECS #:WW2710000  
Fraction by Wt: 30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3 (RESP)  
ACGIH TLV:2 MG/M3 (RESP)

Ingred Name:METHYL N-AMYL KETONE (VAPOR PRESSURE 2.14 MM HG) (LD50:  
1600 MG/KG [RAT,ORAL]; LC50: 2000 - 4000 PPM [RAT,4 HR])  
CAS:110-43-0  
RTECS #:MJ5075000

Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:50 PPM

Ingred Name:MICA  
CAS:12001-26-2  
RTECS #:VV8760000  
Fraction by Wt: 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:20 MPPCF  
ACGIH TLV:3 MG/M3 (RESP)

Ingred Name:N-BUTYL ALCOHOL (SARA III)(CERCLA 103A)(VAPOR PRESSURE 4.2  
MM HG)(LD50: 2.5 GM/KG [ORAL,RAT]; LC50: 8000 PPM [RAT,4 HR])  
CAS:71-36-3  
RTECS #:EO1400000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:50 PPM (CEILING)  
ACGIH TLV:50 PPM  
(CEILING)  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:PLASTICIZER (LD50: >5000 MG/KG [RATS]) (VAPOR PRESSURE 3  
MM HG)  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCULATED VOC: 282.22 GM/L  
RTECS #:9999999VO  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES  
Health Hazards Acute and Chronic:ACUTE: IN

HAL: RESP TRACT IRRIT;

HEADACHE, NAUSEA, DIZZINESS, WEAKNESS & FATIGUE. EXTREME EXPOSURE CAN RESULT IN UNCONSCIOUSNESS & RESPIRATORY ARREST. ALLERGIC REACTION, PERMANENT LUNG DAMAGE. SKIN/EYE: EYE & SKIN IRRITATION. HARMFUL IF ABSORBED. INGEST: STOMACH/INTESTINAL IRRIT, NAUSEA, VOMITING, DIARRHEA.

Explanation of Carcinogenicity: SILICA IS LISTED WITH IARC AS A CLASS 2A CARCINOGEN. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG DAMAGE AND CANCER.

Effects of Overexposur

e: CHRONIC: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. PROLONGED OR REPEATED BREATHING OF SPRAY MIST AND/OR SPRAY MIST AND/OR SANDING DUST OVER A PERIOD OF YEARS MAY CAUSE DUST DISEASE OF THE LUNG.

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

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

First Aid: INHAL:

REMOVE TO FRESH AIR. CONTINUED BREATHING DIFFICULTY, GET IMMEDIATE MED AID. IF NO BREATH, RESTORE USING CPR & SUMMON IMMEDIATE MED HELP. EYE: FLUSH IMMEDIATELY WITH WATER 15 MINUTES. GET MED AID. SKIN: WASH WITH SOAP & WATER. REMOVE SOILED CLOTHES. GET MED AID IF IRRITATION PERSISTS. INGEST: SEE DR IMMEDIATELY. DON'T INDUCE VOMITING. MISUSE BY DELIBERATELY CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL OR FATAL.

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

Flash Point

Method: SCC

Flash Point: 100F, 38C

Lower 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: USE PROFESSIONAL FIREMEN WITH PROTECTIVE CLOTHING & SCBA. WATER MAY BE INEFFECTIVE, USE (FOG NOZZLES PREFERRED) TO COOL EXPOSED CONTAINER TO PREVENT PRESSURE BUILD-UP/AUTOIGNITION WITH HEAT.

Unusual Fire/Explosion Hazard: KEEP CONTAINER CLOSED & AWAY FROM HEAT & IGNITION SOURCE. CLOSED CONTAINER MAY EXPLODE WITH HEAT. NEVER USE WELDING/CUTTING

TORCH  
ON/NEAR CNTNR (EVEN EMPTY).OVEREXPOS TO DECOMP-HLTH HZD.

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

Spill Release Procedures:REMOVE IGNITION SOURCE. PREVENT BREATHING VAPORS. VENT AREA. BEFORE CLEAN-UP, REFER TO HAZARD CAUTION INFORMATION IN OTHER SECTIONS OF MSDS. CONTAIN SPILLED MATERIAL & REMOVE W/INERT ABSORBENT & NON-S PARKING TOOLS. STORE IN CLSD CNTNR UNTIL DISPOSED.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAMES. DON'T SMOKE. PREVENT BUILDUP OF VAPOR BY CONTINUOUS FLOW OF FRESH AIR. DON'T STORE ABOVE 120F OR NEAR OPEN FLAME.

Other Precautions:STORE LARGE QTY IN BUILDINGS TO COMPLY W/OSHA 1910.106. KEEP CONTAINER CLOSED WHEN NOT IN USE. DON'T TRANSFER CONTENTS TO BOTTLES OR OTHER UNLABELED CONTAINERS. DON'T REUSE EMPTY CNTNRS. IF PART OF KI T, MIX WILL HAVE HAZARDS OF BOTH PARTS.

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

Respiratory Protection:DON'T BREATHE VAPOR. WHEN SPRAY APPLD IN OUTDOOR/OPEN AREA,DURING SAND/GRINDING,USE MECHANCL FILTER RESPRTR TO REMOVE AIRBORNE PARTICLES.RESTRICTED VENT,CHEMCL/MECHANCL FILTER REMOVE COMBINATION PARTI C & VAPOR.CONFINED,AIR SUPPLY/AIR HOODS.

Ventilation:GENRL DILUTN/LOCAL EXHAUST VENT TO KEEP BELOW TLV/PEL WHEN MIX,APPLIC,CURE,SAND,DECOMP WELDING PRODUCT,PREVENT BLDUP. \*

Protective Gloves:SOLVENT IMPERMEABLE GLOVES RECOMMEN  
DED

Eye Protection:SFTY EYEWEAR W/SPLASH GUARD OR SIDE SHLD

Other Protective Equipment:DO NOT GET ON SKIN. SOLVENT IMPERMEABLE CLOTHING AND 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 DISTANCES. PREVENT BUILD-UP BY REMOVING HEAVY SOLVENT VAPORS FROM LOWER LEVELS OF THE WORK AREA. ELIMINATE ALL IGNITION SOURCES.

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

Boiling Pt:B.P. Text:244 TO 572F

Vapor Density:> AIR

Spec Gravity:1.30 - 1.50

Viscosity:110 - 140 KU

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:SLIGHT

Appearance and Odor:BLACK VISCOUS LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:33.46

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous

Decomposition Products:MAY CONTAIN CARBON MONOXIDE, CARBON DIOXIDE, PHENOL DERIVATIVES, TRACES OF TDI, LOW MOLECULAR WEIGHT ORGANIC FRAGMENTS.

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

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

Disclaimer (provided with this information by the compiling agencies)

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