

DEVOE COATINGS CO -- BAR RUST 235 MULTI-PURPOSE EPOXY COATING, OXIDE RED BASE --  
8010-01-316-6741

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

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

MSDS Date:09/19/1995

FSC:8010

NIIN:01-316-6741

Status Code:A

MSDS Number: CKDYY

=== Responsible Party ===

Company Name:DEVOE COATINGS CO

Address:4000 DUPONT CIRCLE

Box:7600

City:LOUISVILLE

State:KY

ZIP:40207-4802

Country:US

Info Phone Num:502-897-9861

Emergency Phone Num:(800)424-9300

Preparer's Name:LOUIS F. HOLZKNECHT

Chemtrec Ind/Phone:(800)424-9300

CAGE:1HK86

=== Contractor Identification ===

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

Ingred Name:HIGH FLASH AROMATIC NAPHTHA

CAS:64742-95-6

RTECS #:WF3400000

= Wt:10

ACGIH TLV:100 PPM

Ingred Name:N-BUTYL ALCOHOL

CAS:71-36-3

RTECS #:EO1400000

= Wt:5.

OSHA PEL:50 PPM

ACGIH TLV:50 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:CRYSTALLINE SILICA

CAS:14808-60-7

RTECS #:VV7330000

&lt; Wt:.5

Other REC Limits:0.5%

OSHA PEL:0.1 MG/M3 RESP.

ACGIH TLV:0.1 MG/M3 RESP.

Ingred Name:EPOXY RESIN

CAS:25068-38-6

RTECS #:CE6880000

= Wt:20.

Ingred Name:HYDROCARBON RESIN

RTECS #:HR1001150

= Wt:10.

Ingred Name:MAGNESIUM SILICATE

CAS:14807-96-6

RTECS #:WW2710000

= Wt:25.

OSHA PEL:2MG/M3 RESP

ACGIH TLV:2MG/M3 RESP

Ingred Name:METHYL N-AMYL KETONE

CAS:110-43-0

RTECS #:MJ5075000

&lt; Wt:5.

Other REC Limits:VP= 2.14

OSHA PEL:100PPM

ACGIH TLV:50 PPM

Ingred Name:NICA

CAS:12001-26-2

RTECS #:VV8760000

= Wt:10.

OSHA PEL:20 NPPCF

ACGIH TLV:3 MG/M3 RESP.

Ingred Name:PLASTICIZER VP= 3

RTECS #:PL1000294

&lt; Wt:5.

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

ion =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic: BREATHING: IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, NAUSEA, DIZZINESS, WEAKNESS AND FATIGUE. EXTREME EXPOSURE CAN RESULT IN UNCONSCIOUSNESS AND EVEN RESPIRATORY ARREST. SKIN OR EYE CONTACT: CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. SWALLOWING: CAN CAUSE STOMACH AND

/OR INTESTINAL IRRITATION,

NAUSEA, VOMITING AND DIARRHEA. CHRONIC: REPORTS HAVE ASSOCIATED REPEATED BREATHING OF SPRAY/MIST AND/OR SANDING DUST OVER A PERIOD OF YEARS MAY CAUSE DUST DISEASE OF THE LUNGS.

Explanation of Carcinogenicity: SILICA IS LISTED WITH THE IARC AS A CLASS 2A CARCINOGEN. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG DAMAGE AND CANCER. RISK DEPENDS ON DURATION AND LEVEL OF EXPOSURE.

Medical Cond Aggravated by Exposure: NONE, WHEN USED IN ACCORDANCE WITH

SAFE HANDLING AND USE INFORMATION.

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

First Aid: INHALATION: IF YOU EXPERIENCE DIFFICULTY BREATHING, LEAVE AREA TO OBTAIN FRESH AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, SUMMON MEDICAL ASSISTANCE IMMEDIATELY. IF BREATHING CEASES, RESTORE USING APPROVED CPR TECHNIQUES AND SUMMON MEDICAL HELP IMMEDIATELY. EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER AT LEAST 15 MIN. GET MEDICAL ASSISTANCE. SKIN: WASH

AFFECTED AREAS WITH

SOAP & WATER. REMOVE SOILED CLOTHING. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS. DO NOT INDUCE VOMITING. ASPIRATION OF VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. NOTICE: INTENTIONAL MISUSE BY CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL OR FATAL.

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

Flash Point: =37.8C, 100.F

100F

Lower Limits: 1

Extinguishing Media: CO2, DRY CHEMICAL, FOAM, OR OTHER NATIONAL FIRE PRO

TECTIONS ASSOCIATION (NFPA) APPROVED METHOD FOR TREATING A FIRE.  
Fire Fighting Procedures:SUMMON PROFESSIONAL FIREFIGHTERS.USE FULL  
PROTECTIVE EQUIPMENT INCLUDING SCBA WATER SPRAY MAY BE  
INEFFECTIVE.IF WATER IS USED,FOG NOZZLES PREFERABLE.IF EXPOSED TO  
FIERCE/EXTREME HEAT,WATER SHOULD BE U SED TO COOL CLOSED  
CONTAINERS&PREVENT PRESSURE BUILDUP/\*

Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON/NEAR  
CONTAINER(EVEN EMPTY)AS PRODUCT/ITS RESIDUE MAY IGNITE.DURING  
EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY  
CAUSE HEALTH HAZARD.SYMPTOMS MAY N OT BE IMMEDIATELY  
APPARENT.OBTAIN MEDICAL ATTENTION.

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

Spill Release Procedures:REMOVE SOURCES OF IGNITION (FLAMES, HOT  
SURFACES, AND ELECTRICAL STATIC OR FRICTIONAL SPARKS). PREVENT  
BREATHING OF VAPORS. VENTILATE AREA. BEFORE ATTEMPTING CLEAN-UP,  
REFER TO HAZARD CAUTION INFOR MATIONS IN OTHER SECTIONS OF  
THIS  
MATERIAL SAFETY DATA SHEET. CONTAIN SPILLED MATERIAL AND REMOVE  
WITH INERT ABSORBENT AND NON-SPARKING TOOLS. STORE IN CLOSED  
CONTAINER UNTIL PROPERLY DISPOSED OF.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS AND  
FLAMES. DO NOT SMOKE. PREVENT BUILD-UP OF VAPORS BY MAINTAINING  
CONTINUOUS FLOW OF FRESH AIR. DO NOT STORE ABOVE 120' F OR NEAR  
FIRE OR OPEN FLAME. STORE LARGE QUANT I  
TIES IN BUILDINGS TO COMPLY  
WITH OSHA 1910.106.

Other Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT  
TRANSFER CONTENTS TO BOTTLES OR OTHER UNLABELLED CONTAINERS. DO  
NOT REUSE EMPTY CONATINERS. IF THIS MATERIAL IS PART OF A TWO  
COMPONENT PRODUCT, THEN T HE MIXTURE OF BASE AND CONVERTER PORTIONS  
WILL HAVE HAZARDS OF BOTH COMPONENTS. OBSERVEE ALL APPLIC ABLE  
PRECAUTIONS.

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

Respiratory Protecti

on: DON'T BREATHE VAPORS, SPRAY MIST/SANDING DUST. WH/SPRAY APPLIED IN OUTDOOR/OPEN AREAS, & DURING SANDING/GINDING USE NIOSH/MSHA APPRVED MECHANICAL FILTER RESP. TO REMVE SOLID AIRBRNE PARTICLES OF OVERSPRAY& SANDING DUST. WHEN USED IN RESTRICTED VENTILATION AREAS, WEAR NIOSH/MSHA APPROVED CHEMICAL/MECHANICAL FILTER DESIGNED TO REMOVE COMBINATION OF PARTICULATES&VAPOR.

Ventilation: SEE OTHER INFORMATION

Protective Gloves: IMPERVIOUS GLOVES

Eye Protection: SAFETY GLASSES WITH SIDE S HEILDS

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

WHEN USED IN CONFINED AREAS, WEAR NIOSH/MSHA APPROVED AIR SUPPLY RESPIRATORS OR USE HOODS. USE NIOSH/MSHA APPROVED RESPIRATOR WHEN FLAME CUTTING, WELDING, BRAZING AND SANDING MATERIAL COATED WITH THI S PROD UCT.

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

Boiling Pt.=117.8C, 244.F

B.P. Text:244F

Vapor Density:>AIR

Spec Gravity:11.86 LBS/GALLON

VOC Pounds/Gallon:287

Evaporation Rate & Reference: SLOWER THAN ETHER

Percent Volatiles by Volume:34.06

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

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: MAY CAUSE TOXIC FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, CARBON DIOXIDE, PHENOL DERIVATIVES, TRACES OF TDI, AND LOW MOLECULAR WEIGHT ORGANIC FRAGMENTS.

===== Toxicological Information =====

Toxicological Information: HIGH FLASH AROM. NAPHTHA LD50 >5GM/KG (RAT ORAL) LC50 >3670PPM (RAT 8HRS) N-BUTYL ALCOHOL LD50 2.5GM/KG (ORAL RAT) LC50 6000PPM (4 HOUR RAT) IRON OXIDE LD50> 10GM/KG (RAT ORAL) METHYL N-AMYL KE TONE LD50: 1600MG/KG (RAT, ORAL)

LC50 2000-4000PPM (RAT)

===== Ecological Information =====

Ecological:\*POSSIBLE AUTO-IGNITION.COMBUSTIBLE LIQUID CLASS II KEEP CONTAINERS TIGHTLY CLOSED.ISOLATE F/HEAT,ELECTRICAL EQUIPMENT,SPARKS&FLAME.DUE TO PRESSURE BUILDUP,CLOSED CONTAINERS EXPOSED TO EXTREME HEAT MAY EXPLODE.

===== 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.

===== Regulatory Information =====

State Regulatory Information:WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: 14808-60-7 CRYSTALLINE SILICA 106-89-8 EPICHLOROHYDRIN

===== Other Information =====

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