

DEVOE COATINGS CO -- DEVRAN 219 27 GRAY BASE, 219B2904 -- 8010-01-120-2877

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Product Identification
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Product ID:DEVRAN 219 27 GRAY BASE, 219B2904

MSDS Date:05/06/1993

FSC:8010

NIIN:01-120-2877

MSDS Number: CJWFF

=== Responsible Party ===

Company Name:DEVOE COATINGS CO

Address:4000 DUPONT CIRCLE

City:LOUISVILLE

State:KY

ZIP:40207

Country:US

Info Phone Num:502-897-9861

Emergency Phone Num:

800-424-9300

Chemtec Ind/Phone:(800)424-9300

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

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Composition/Information on Ingredients
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Ingred Name:SILICA, CRYSTALLINE-QUARTZ; (CRYSTALLINE SILICA (PC))

CAS:7631-86-9

< Wt:.5

OSHA PEL:0.1 MG/M3 (RESP)

ACGIH TLV:0.1 MG/M3 (RESP)

Ingred Name:EPOXY RESIN. LD50 (ORAL,RAT): >2

GM/KG.
CAS:25068-38-6
RTECS #:CE6880000
= Wt:20.

Ingred Name:TALC (POWDER) CONTAINING NO ASBESTOS FIBERS; (MAGNESIUM SILICATE)
CAS:14807-96-6
RTECS #:WW2710000
= Wt:25.
OSHA PEL:see Table Z-3
ACGIH TLV:2 MG/M3

Ingred Name:METHYL N-AMYL KETONE. VP: 2.14 MM HG. LD50 (ORAL,RAT): 1600 MG/KG.
CAS:110-43-0
RTECS #:MJ5075000
= Wt:20.
OSHA PEL:465 MG/M3;100 PPM
ACGIH TLV:233 MG/M3;50 PPM

Ingred Name:N-BUTYL ALCOHOL. VP: 4.2 MM HG. LD50 (ORAL,RAT): 2.5 GM/KG.
CAS:71-36-3
RTECS #:EO1400000
= Wt
:20.
OSHA PEL:300 MG/M3;100 PPM
ACGIH STEL:C152 MG/M3;C50 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TITANIUM DIOXIDE. LD50 (ORAL,RAT): >24000 MG/KG.
CAS:13463-67-7
RTECS #:XR2275000
= Wt:15.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:XYLENE. LD50 (ORAL,RAT): >5 GM/KG. VP: 6 MM HG
CAS:1330-20-7
RTECS #:ZE2100000
= Wt:15.
OSHA PEL:100 PEL (PPM)
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards

Identification =====

LD50 LC50 Mixture:SEE INGREDIENTS.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

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

THE SKIN. INGESTION:

CAN CAUSE STOMACH AND/OR INTESTINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA. CHRONIC: REPORTS HAVE ASSOCIATED REPEATED & PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. PROLONGED OR REPEATED BREATHING OF SPRAY MIST AND/OR SANDING DUST OVER A PERIOD OF YEARS MAY CAUSE DUST DISEASE OF THE (EFFECTS OF OVEREXPOSURE)

Explanation of Carcinogenicity:SILICA, CRYSTALLINE-QUARTZ: IARC MONOGRAPHS ON EVALUATION OF CA

RISK OF CHEM TO MAN: VOL 68, PAGE 41, 1997: GROUP 1. NTP 8TH ANNUAL RPT ON CARCIN 1998: REASONABLY ANTICIPATED TO BE HUMAN CARCIN.

Effects of Overexposure:HEALTH HAZ: LUNGS. SILICA IS LISTED WITH 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 Condition Aggravated by Exposure:NONE, WHEN USED IN ACCORDANCE WITH SAFE HANDLING AND USE INFORMATION (SEE SECTION 8).

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

First Aid:INHAL: IF YOU EXPERIENCE DIFFICULTY IN BREATHING, LEAVE AREA TO OBTAIN FRESH AIR. IF CONTINUED DIFFICULTY IS EXPERIENCED, SUMMON MED ASSISTANCE IMMEDIATELY. IF BREATHING CEASES, RESTORE USING APPROVED CPR TECHNIQUES & SUMMON MEDICAL HELP IMMEDIATELY. EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF H2O/AT LEAST 15 MIN. GET MED ASSISTANCE. SKIN: WASH AFFECTED AREAS WITH SOAP & H2O. REMOVE SOILED CLOTHING. GET MED ASSISTANCE IF IRRITATED

PERSISTENT. INGEST: CONSULT MD IMMEDIATELY. DO NOT INDUCE VOMIT. ASPIRATION OF VOMITUS CAN CAUSE CHEM PNEUMONITIS WHICH CAN BE FATAL. NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL/FATAL (TOXIC INFO)

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

Flash Point Method:SCC
Flash Point:=-26.1C, 79.F
Lower Limits:1%

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

OSHA CLASSIFICATION

29 CFR 1910.106 (A) PARTS 18-19. FLAMMABLE LIQUID - CLASS IC.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . SUMMON PROFESSIONAL FIREFIGHTERS. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES PREFERABLE. IF EXPOSED TO FIRE OR EXTREME HE AT, WATER SHOULD BE USED TO COOL CLOSED CONTAINERS AND PREVENT BUILD UP OR POSSIBLE AUTO-IGNITION.

Unusual Fire/Explosion Hazard:KEEP CNTNRS TIGHTLY CLSD. ISOLATE FROM HEAT, ELEC EQUIP, SPARKS & FLAME. VAPS MAY CAUSE FLASH FIRE. VAPS MAY IGNITE EXPLOSIVELY. VAPS MAY SPREAD LONG DISTANCES & BEYOND CLSD DOORS. DUE TO PRESS BUILD- UP, CLSD CNTNRS EXPOSED TO EXTREME HEAT MAY EXPLODE. NEVER USE WELDING/CUTTING TORCH ON/NEAR CNTNRS (SUPDAT)

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION (FLAME, NOT SURFACES, AND ELECTRICAL, STATIC OR FRICTIONAL SPARKS). PREVENT BREATHIN G OF VAPORS. VENTILATE AREA. BEFORE ATTEMPTING CLEAN-UP, REFER TO HAZARD CAUTION INFO RMATIONS IN OTHER SECTIONS OF THIS MATERIAL SAFFETY 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 & FLAMES. DO NOT SMOKE. EXTINGUISH ALL PILOT LIGHTS & TURN OFF A LL SOURCES OF IGNITION, HEATERS, FANS & OTHER NON-EXPLOSION-PROOF ELECTRICAL EQUIPMENT, DURING USE & UNTIL A LL VAPS ARE GONE. VAP CAN IGNITE EXPLOSIVLEY. VAPS MAY SPREAD LONG DISTANCES & BEYOND CLOSED DOORS.

Other Precautions:PVNT BUILD-UP OF VAPS BY MAINTAINING CONTINUOUS SUPPLY OF FRESH AIR. DO NOT STORE ABOVE 120 DEGREE F/NEAR FIRE/OPEN FLAME. STORE LRG QTIES IN BUILDINGS TO COMPLY W/OSHA 1910.106. KEEP CNTNR CLSD WHEN NOT IN USE. DO NOT TRANSFER CONTENTS TO BOT TLES/OTHER UNLABELLED CNTNRS. DO NOT REUSE EMPTY CNTNRS. (SUPDAT)

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

Respiratory Protection:DO NOT BRTH VAPS, SPRAY MIST/SANDING DUST. WHEN SPRAY APPLIED IN OUTDOOR/OPEN AREAS, & DURING SANDING/GRINDING OPERATIONS, USE NIOSH APPRVD MECH FILTER RESP TO REMOVE SOLID AIRBORNE PARTICLES OF OVERS PRAY& SANDING DUST. WHEN USED IN RESTRICTED VENT AREAS, WEAR NIOSH APPRVD CHEM/MECH FILTER DESIGNED TO REMOVE COMBI

NATION OF PARTICULATES & VAP. (OTHER INFO)

Ventilation:PROVIDE GEN DILUTION/LOC EXHST VENT IN VOLUME & PATTERN TO
KEEP AIR CONTAM CONC BELOW CURRENT APPL SAFETY & HLTH STANDARDS IN
MIXING, APPLICATION & (OTHER INFO)

Protective Gloves:IMPERMEABLE GLOVES.

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASH AND DELUGE SHOWER MEETING ANSI
DESIGN CRITERIA . DO NOT GET ON SKIN. SOLVENT IMPERMEABLE CLOTHING
& BOOTS TO PREVENT SKIN CONTACT ARE RECO
MMENDED.

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

Supplemental Safety and Health

OTHER PREC: IF THIS MATL IS PART OF TWO COMPONENTS PROD, THEN MIX OF
BASE & CONVERTER PARTS HAVE HAZ OF BOTH COMPONENTS. OBSERVE ALL
APPLIC PREC. EXPLO HAZ: (EVEN EMPTY) AS PROD/ITS RESIDUE MAY IGNITE
. DURING EMERGENCY CONDITIONS OVEREXP TO DECOMP PROD MAY CASUE HLTH
HAZ. (OTHER INFO)

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Physical/Chemical Propert
ies =====

Boiling Pt:>117.8C, 244.F

B.P. Text:244-300F

Vapor Pres:SEE INGREDIENTS

Vapor Density:HVR/AIR

Spec Gravity:1.30

VOC Pounds/Gallon:499

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:59.89

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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.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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Toxicological Information =====

Toxicological Information:EFTS OF OVEREXP: EPOXY RESIN: LC50: NO DATA
AVAILABLE. METHYL N-AMYL KETONE: LC50: 2000-4000 PPM (RAT, 4 HRS).
N-BUTYL ALCOHOL: LC50: 8000 PPM (4 HR, RAT). TITANIUM DIOXIDE:
LC50: NO DATA AVAILABLE. XYLENE: LC50: NO DATA AVAILABLE.

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Disposal Considerations =====

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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 =====

SARA Title III Information:SARA 313: N-BUTYL ALCOHOL & XYLENE.
Federal Regulatory Information:CERCLA 103A: N-BUTYL ALCOHOL & XYLENE.
State Regulatory Information:WARNING: THIS PRODUCT MAY CONTAIN A
CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAU
SE CANCER, BIRTH
DEFECTS, OR OTHER REPRODUCTIVE HARM (PROPOSITION 65).

==== Other Information =====

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assume responsibility for the suitability of this information to their
particular situation.