AMERON INTERNATIONAL PROTECTIVE COATINGS GROUP -- 235B7821 BAR-RUST 235 OXIDE RED BASE -- 8010-01-316-6741

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

Product ID:235B7821 BAR-RUST 235 OXIDE RED BASE
MSDS Date:03/13/1998
FSC:8010
NIIN:01-316-6741
Status Code:A
MSDS Number: CLHYZ
=== Responsible Party ===
Company Name:AMERON INTERNATIONAL PROTECTIVE COATINGS GROUP
Address:201 NORTH BERRY ST.
City:BREA
State
:CA
ZIP:92821
Country:US
Info Phone Num:714-529-1951
Emergency Phone Num:(800)424-9300
Preparer's Name:HENRY SIMMONS
Chemtrec Ind/Phone:(800)424-9300
CAGE:55849
=== Contractor Identification ===
Company Name:AMERON INTERNATIONAL PROTECTIVE COATINGS GROUP
Address:201 NORTH BERRY ST.
Box:City:BREA
State:CA
ZIP:92821
Country:US
Phone:714-529-1951
CAGE:55849

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

Ingred Name:MAGNESIUM SILICATE
CAS:14807-96-6
RTECS #:WW2710000
< Wt:

30.
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:2 MG/M3

Ingred Name:EPOXY RESIN
CAS:25068-38-6
RTECS #:CE6880000
< Wt:20.

Ingred Name:HYDROCARBON RESIN
< Wt:15.
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:RED IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
< Wt:10.
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3;2 PPM

Ingred Name:BUTYL ALCOHOL
CAS:71-36-3
RTECS #:EO1400000
< Wt:6.9
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:MICA
CAS:120
01-26-2
RTECS #:VV8760000
< Wt:10.
ACGIH TLV:3 MG/M3

Ingred Name:HIGH FLASH NAPHTHA
CAS:64742-95-6
RTECS #:WF3400000
< Wt:5.6
OSHA PEL:100 PPM

Ingred Name:1,2,4-TRIMETHYLBENZENE
CAS:95-63-6
RTECS #:DC3325000
< Wt:4.2
OSHA PEL:.005 PPM; .04 MG/M3
ACGIH TLV:.005 PPM; .03 MG/M3

Ingred Name:POLYISOCYANATE RESIN
< Wt:5.

Ingred Name:EPOXY RESIN
CAS:25036-25-3
< Wt:5.

Ingred Name:METHYL N-AMYL KETONE
CAS:110-43-0

MG/M3;50 PPM

Ingred Name:MICA
< Wt:5.
OSHA PEL:3 MG/M3
ACGIH TLV:3 MG/M3

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Health Hazards Acute and Chronic:VAPOR OR SPRAY MIST OR SPATTERED MATERIAL CAN BE HARMFUL. IRRITATING TO EYES, SKIN, AND IF INHALED; TO NOSE AND THROAT. EXCESSIVE OR PROLONGED INHALATION CAN CAUSE HEADACHE, NAUSEA OR DIZZINESS. REPEA TED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO
SOLVENTS IS ASSOCIATES WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE TO SOLVENTS MAY CAUSE MULTIPLE ORGAN DAMAGE AND/OR DEATH.
Effects of Overexposure:CAN AGGRAVATE OR ACCENTUATE OF THESE EFFECTS. SKIN: IRRITANT. SEVERE IRRITANT. SENSITIZATION OR ALLERGIC REACTION SUCH AS RASH AND HIVES. CAN BE ABSORBED THROUGH THE SKIN. CAN CAUSE DEFATTING AND DRY ING OF THE SKIN. INHALATION: IRRITANT. DELAY LUNG INJURY. RESPIRATOR
Y SENSITIZATION AND ALLERGIC REACTION SUCH AS ASTHMA. CENTRAL NERVOUS SYSTEM DAMAGE. DO NOT USE IF YOU HAVE REACTION TO ISOCYANTES. SMOKING AGGRAVATES PROBLEMS. HIGH VAPOR CONCENTRATION MAY CAUSE KIDNEY AND/OR LIVER DAMAGE. EYES: SEVERE IRRITANT. SEVERE INJURY. DO NOT WEAR CONTACT LENSES WHEN USING THIS MATERIAL. INGESTION: HARMF UL IF SWALLOWED.
Medical Cond Aggravated by Exposure:KIDNEYS. LIVER, SKIN, EYES. RESPIRATORY. ALLERGIES. LUNGS.

========== Firs
t Aid Measures ==========

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE NORMAL BREATHING. TREAT SYMPTOMATICALLY. SEE PHYSICIAN. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATIO N PERSISTS. EYES: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. INGESTION: DRINK TO 1 TO 2 GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UN CONSCIOUS PERSON. DO NO

T INDUCE VOMITING (UNLESS METHANOL;
LISTED IN SECTION 2) CONSULT PHYSICIAN OR POISON CONTROL CENTRAL IMMEDIATELY. TREAT SYMPTOMATICALLY.

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

Flash Point Method:SCC
Flash Point:=37.8C, 100.F
Lower Limits:1.0%
Upper Limits:11.2%
Extinguishing Media:FOAM CO2 DRY CHEMICAL
Fire Fighting Procedures:WEAR FULL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT
PRESSURE BUILD-UP OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT AND PRESSURE BUILDUP. MAY PRODUCE A FLOATING FIRE HAZARD. ISOLATE FROM ELECTRICAL EQUIPMENT, SPARKS, HEAT AND OPEN FLAME. VAPORS MAY SPREAD L ONG DISTANCE, CAUSE FLASH FIRE OR IGNITE EXPLOSIVELY.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. AVOID

BREATHING VAPORS. VENTILATE AREA. USE ABSORBENT, INERT CLEANUP MATERIALS. (DO NOT USE SAWDUST.) REMOVE ABSORBENT MATERIAL WITH NON-SPARKING TOOLS. PLACE IN SEPARA TE CONTAINER. KEEP OUT OF SEWERS AND WATERWAYS. IF ENTRY IS THREATENED OR OCCURS, NOTIFY LOCAL AUTHORITIES.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED, UPRIGHT WHEN NOT IN USE. STORE IN COOL, DRY, WELL-VENTILATED AREA. AVOID PRO
LONGED STORAGE TEMPERATURES ABOVE 100F. USE CAUTION WHEN POURING. AVOID BREATHING SANDING DUST. DO NO T WELD OR FLAME CUT ON EMPTY CONTAINERS.

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

Respiratory Protection:WEAR NIOSH/MSHA CERTIFIED RESPIRATOR DESIGNED TO REMOVE A COMBINATION OF PARTICULATES (DUST OR SPRAY MIST) AND VAPOR. WHEN BRUSHING, ROLLING OR SPREADING SELECT THE APPROPRIATE RESPIRATORY PROTECTION FOR THE CONDITION.
Ventilation:IMPLEMENT AD

MINISTRATIVE AND ENGINEERING CONTROLS TO REDUCE EXPOSURE. PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN.
Eye Protection:WEAR SOLVENT RESISTANT GLASSES WITH SPLASH GUARDS OR FACE SHIELD.
Other Protective Equipment:DEPENDENT UPON APPLICATION METHOD, WEAR RESISTANT COVERALLS, GLOVES AND SHOES COVERINGS TO PREVENT SKIN CONTACT.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, SMOKING OR USING TOILET. LAUNDER CONTAMINATED CLOTHING BEFORE USE. DE
STROY CONTAMINATED LEATHER AND ABSORBENT SHOES WHICH CANNOT BE DECONTAMINATED.
Supplemental Safety and Health

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

Boiling Pt:=117.8C, 244.F
B.P. Text:244-336F
Vapor Density:>AIR
VOC Pounds/Gallon:288
Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE
Solubility in Water:NO
Appearance and Odor:LIQUID SOLVENT
Percent Volatiles by Volume:34.03

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

Stabilit
y Indicator/Materials to Avoid:YES
STRONG OXIDERS, ACIDS AND ALKALIES. WATER
Stability Condition to Avoid:HEAT, OPEN FLAME, ARC OR SPARKS. WATER OR MOISTURE. AMINES UNDER UNCONTROLLED CONDITIONS.
Hazardous Decomposition Products:CO, CO2, IRON OXIDE FUMES. ALDEHYDES. ISOCYANTES. PHENOLS.

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

Waste Disposal Methods:PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERA
L
REGULATIONS. THIS MATERIAL HAS NOT BEEN TESTED BY TOXICITY CHARACTERISTIC LEACHING PROCEDUR E.

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

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