

AMERON INTERNATIONAL PROTECTIVE COATINGS GROUP -- MIL-P-24441/33 F-154 TYPE IV GRAY
RO=3.6 A MILPB29317 -- 8010-01-380-2359

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Product Identification
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Product ID:MIL-P-24441/33 F-154 TYPE IV GRAY RO=3.6 A MILPB29317

MSDS Date:09/16/1998

FSC:8010

NIIN:01-380-2359

Status Code:A

MSDS Number: CLHYB

=== Responsible Party ===

Company Name:AMERON INTERNATIONAL PROTECTIVE COATINGS GROUP

Address:2

01 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

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Composition/Information on Ingredients
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Ingred Name:MAGNESIUM SILICATE

CAS:148

07-96-6

RTECS #:WW2710000

< Wt:30.

OSHA PEL:SEE TABLE Z-3

ACGIH TLV:2 MG/M3

Ingred Name:BUTYL ALCOHOL

CAS:71-36-3

RTECS #:EO1400000

= Wt:23.7

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:POLYAMINE ADDUCT

< Wt:20.

Ingred Name:BLACK IRON OXIDE

CAS:12227-89-3

DE
CAS:13463-67-7
RTECS #:XR2275000
< Wt:5.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES 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. REPEAT ED AND PROLONGED OCCUPATIONAL
OVEREXPO
SURES TO SOLVENTS IS ASSOCIATED WITH PERMANENT BRAIN AND
NERVOUS SYSTEM. INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE
TO SOLVENTS MAY CAUSE MULTIPLE ORGAN DAMAGE AND/OR DEATH.
Effects of Overexposure:SKIN: SEVERE IRRITANT. SEVERE BURNS.
SENSITIZATION OR ALLERGIC REACTION, SUCH AS RASH OR HIVES. CAN BE
ABSORBED THROUGH SKIN. INHALATION: SEVERE IRRITANT, LUNG INJURY.
RESPIRATORY SENSITIZATION AND A LLERGIC REACTION SUCH AS ASTHMA.
CENTRAL NERVOUS SYSTEM DAMAGE. REP
EATED EXPOSURE TO IRON DUST CAN
CAUSE SIDEROSIS. EYES: SEVERE IRRITANT. CORNEAL INJURY.
IRREVERSIBLE BURNS AND DAMAGE. DO NOT WEAR C ONTACT LENSES WHEN
USING THIS MATERIAL. INGESTION: HARMFUL IF SWALLOWED
Medical Cond Aggravated by Exposure:SKIN CONTACT INHALATION INGESTION
EYE CONTACT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE NORMAL BREATHING.
TREAT SYMPTOMATICALLY. SEE PHYSICIAN. SKIN: WASH T
HOROUGHLY 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
1 OR 2 GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO
AN UNCON SCIOUS PERSON. DO NOT INDUCE VOMITING (UNLESS METHANOL;
LISTED IN SECTION 2). CONSULT PHYSICIAN OR POISON CONTROL CENTER
IMMEDIATELY. TREAT SYMPTOMATICALLY.

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Fire Fighting Measures =====

Flash Point Method:SCC

Flash Point:=35.6C, 96.F

Lower Limits:1.4%

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 PRES SURE BUILDUP. MAY PRODUCE A FLOATING FIRE HAZARD. ISOLATE FROM ELECTRICAL EQUIPMENT, SPARKS, HEAT, OR OPEN FLAMES. VAPORS MAY SPREAD LONG DISTANCE, CAUSES 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 PROLONGED STORAGE TEMPERATURES ABOVE 100F. USE CAUTION WHEN POURING. AVOID BREATHING SANDING DUST. DO NO T WELD OR FLAME CUT ON EMPTY CONTAINER.

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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 CONDITIONS.

Ventilation:IMPLEMENT ADMINISTRATIVE AND ENGINEERING CONTROLS TO REDUCE EXPOSURE. PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN.

Eye Protection:WEAR SOLVENT RESISTANT GLASSES W

ITH SPLASH GUARDS OR
FACE SHIELD.

Other Protective Equipment:DEPENDENT UPON APPLICATION METHOD, WEAR
RESISTANT COVERALLS, GLOVES AND SHOE COVERINGS TO PREVENT SKIN
CONTACT

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING, SMOKING OR USING THE TOILET. LAUNDER CONTAMINATED CLOTHING
BEFORE USE. DESTROY CONTAMINATED LEATHER AND ABSORBENT SHOES WHICH
CANNOT BE DECONTAMINATED.

Supplemental Safety and Health

===== Physical/Chemical Properti
es =====

Boiling Pt:=117.8C, 244.F

Vapor Density:>AIR

VOC Pounds/Gallon:340

Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE

Appearance and Odor:LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:40.46

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS AND ALKALIES

Stability Condition to Avoid:HEAT, OPEN FLAME, ARC OR SPARKS. EPOXIES
UNDER UNCONTROLLED CONDITIONS.

Hazardous Decomposit

ion Products:CO, CO2, NOX. IRON OXIDES FUMES.

ALDEHYDES. TOXIC GASES OR FUMES. METHYL MERCAPTAN

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

Waste Disposal Methods:PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER
IN ACCORDANCE LOCAL, STATE, AND FEDERAL REGULATIONS. THIS MATERIAL
HAS NOT BEEN TESTED BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE.

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

State Regulatory Information:NEW JERSEY RIGHT

TO KNOW: THE FOLLOWING
MATERIALS
ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE
COMPONENTS IN THIS PRODUCTS: POLYAMIDE

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