

AMERON INTERNATIONAL PROTECTIVE COATINGS GROUP -- MIL-P-24441/29 F-150 TYPE IV
GREEN COMP B -- 8010-01-380-2389

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Product Identification
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Product ID:MIL-P-24441/29 F-150 TYPE IV GREEN COMP B

MSDS Date:12/19/1997

FSC:8010

NIIN:01-380-2389

Status Code:A

MSDS Number: CJZPF

=== 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

E

mergency Phone Num:(800)424-9300

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:14807-96-6

RTECS #:WW2710000

< Wt:25.

OSHA PEL:2.000

ACGIH TLV:2.000

Ingred Name:EPOXY RESIN

CAS:25068-38-6

RTECS #:C

E6880000

< Wt:45.

Ingred Name:CLAY

CAS:66402-68-4

< Wt:15.

OSHA PEL:10.00 PPM

ACGIH TLV:10.00 PPM

Ingred Name:HIGH FLASH NAPHTHA

CAS:64742-95-6

RTECS #:WF3400000

= Wt:9.3

ACGIH TLV:100 PPM

Ingred Name:1,2,4-TRIMETHYLBENZENE

CAS:95-63-6

RTECS #:DC3325000

< Wt:6.9

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:VAPOR OR SPRAY MIST OR SPATTERED

MATERIAL CAN BE HARMFUL. I

RRITATING TO EYES, SKIN, AND IF INHALED;

TO NOSE AND THROAT. EXCESSIVE OR PROLONGED INHALATION CAN BE CAUSE HEADACHE, NAUSEA OR DIZZINESS. REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS IS ASSOCIATED WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMGE. INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE TO SOLVENT MAY CAUSE MULT IPLE ORGAN DAMAGE AND/ OR DEATH.

Effects of Overexposure:CAN AGGRAVATE OR ACCENTUATE ANY OF THESE

EFFECTS. SKIN: SEVERE IRRITANT. SEV

ERE BURNS. SENSITIZATION OR

ALLERGIC REACTION, SUCH AS RASH OR HIVES. CAN BE ABSORBED THROUGH SKIN. INHALATION: SEVERE IRR ITANT. LUNG INJURY. RESPIRATORY SENSITIZATION AND ALLERGIC REACTION SUCH AS ASTHMA. CENTRAL NERVOUS SYSTEM DAMAGE. EYES: SEVERE IRRITANT. CORNEAL INJURY. IRREVERSIBLE BURNS AND DAMAGE. DO NOT WEAR CONTACT LENSES WHEN USING THIS MATERIAL. INGESTION: HARMFUL IF SWALLOWED.

Medical Cond Aggravated by Exposure:KIDNEYS, LIVER, BLOOD, LUNGS, SKIN,

EY

ES, STOMACH, CENTRAL NERVOUS SYSTEM. MEDICAL CONDITIONS
AGGRAVATED: KIDNEYS, LIVER, SKIN, EYES, RESPIRATORY, ALLERGIES.

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

First Aid:FIRST AID PROCEDURES: 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 IRRITATION PERSISTS. EYES:FLUSH
IMMEDIATELY WITH PLENTY OF WATER F
OR 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 UNCONSCIOUS PERSON. DO
NOT INDUCE VOMITNG . CONSULT PHYSICIAN OR POISON CONTROL CENTER
IMMEDIATELY. TREAT SYMPTOMTICALLY.

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

Flash Point:=35.6C, 96.F

96F

Lower Limits:1.4

Upper Limits:11.2

Extinguishing Media:FOAM, CO2, DRY CHEMICAL. LOWEST FLASHING SOLVENT:
71-36-3.

Fire

Fighting Procedures: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 LONG DISTANCES, CAUSE FLASH FIRE OR
IGNITE EXPLOSIVELY.

Unusual Fire/Explosion Hazard: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.

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===== 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 SEPARATE CONTAINER. KEEP OUT OF
SEWERS AND WATERWAYS. IF ENTRY IS THREATENED OR OCCURS, NOTIFY
LOCAL AUTHORITIES.

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

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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 NOT WELD OR FLAME CUT ON EMPTY CONTAINER.

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

Respiratory Protection:WEAR NIOSH/MSHA RATIFIED RESPIRATOR DESIGNED TO REMOVE A COMBINATION OF PARTICULATE (DUST OR SPRAY MIST AND VAPOR) WHEN

BRUSHING, ROLLING OR SPREADING; SELECT THE APPROPRIATE PROTECTION FOR CONDITIONS. FOR SPECIFIC CONDITIONS, REFER TO CURRENT "NIOSH POCKET GUIDE TO CHEMICAL HAZARDS". IN CONFINED OR RESTRICTED VENTILATION AREAS USE AIR-LINE RESPIRATORS OR HOODS.

Ventilation:PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP AIR CONTAMINANT CONCENTRATIONS BELOW THE TLV LIMITS.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:USE EXPLOSION AND SPARK PROOF EQUIPMENT.

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

Supplemental Safety and Health

IMPLEMENT ADMINISTRATIVE AND ENGINEERING CONTROLS TO REDUCE EXPOSURE. REMOVE WELDING OR FLAME CUTTING DECOMPOSITION PRODUCTS; FOLLOW CURRENT , ANSI Z49.1, "SAFETY IN WELDING AND CUTTING".

===== Physical

Properties =====

Boiling Pt:=117.8C, 244.F

B.P. Text:244F

Vapor Density:HEAVIER

VOC Pounds/Gallon:339

Evaporation Rate & Reference:SLOWER

Solubility in Water:NO

Appearance and Odor:LIQUID

===== 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 Decomposition Pr

Products: BY FIRE, BURNING OR WELDING); CO, CO2,
NOX, IRON OXIDE FUMES. ALDEHYDES. TOXIC GASES OR FUMES. MRTHYL
MERCAPTAN.

===== MSDS Transport Information =====

Transport Information: DOT PROPER SHIPPING NAME: PAINT DOT HAZARD
CLASS: 3 DOT UN/NA NUMBER: 1263 PACKING GROUP: III

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

State Regulatory Information: FEDERAL REGULATIONS: AS FOLLOWS--OSHA:
HAZARDOUS BY
DEFINITION OF HAZARD C
COMMUNICATION STANDARD (29
CFR 1910.1200). NEW JERSEY RIGHT TO KNOW: THE
FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE
AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT.
PENNSYLVANIA RIGHT TO KNOW: THE FOLLOWING
NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE
PRODUCT AT GREATER THAN 3%.

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