

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

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

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

Emergency 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

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

Ingred Name:MAGNESIUM SILICATE

CAS:14807-96-6

RTECS #:WW2710000

< Wt:25.

OSHA PEL:2.000

A

CGIH TLV:2.000

Ingred Name:EPOXY RESIN

CAS:25068-38-6

RTECS #:CE6880000

< 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

=====
===== 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 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. SEVERE 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 A

aggravated by Exposure: KIDNEYS, LIVER, BLOOD, LUNGS, SKIN, EYES, STOMACH, CENTRAL NERVOUS SYSTEM. MEDICAL CONDITIONS AGGRAVATED: KIDNEYS, LIVER, SKIN, EYES, RESPIRATORY, ALLERGIES.

===== 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 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 UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

===== 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.

===== 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 AUTHORITY

IES.

=====
===== 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 NOT WELD OR FLAME CUT ON EMPTY CONTAINER.

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

Respiratory Protection:WEAR NIOSH/MSHA RATED 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/Chemical 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. EPOX

IES

UNDER UNCONTROLLED CONDITIONS.

Hazardous Decomposition 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 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%. .

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.