

AMERON INTL CORP -- MIL-P-24441/23 F-153 TP III DK GRAY R01.8 A -- 8010-01-365-8848

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

Product ID:MIL-P-24441/23 F-153 TP III DK GRAY R01.8 A

MSDS Date:09/16/1998

FSC:8010

NIIN:01-365-8848

Status Code:A

MSDS Number: CLQXV

=== Responsible Party ===

Company Name:AMERON INTL CORP

Address:201 N BERRY ST

City:BREA

State:CA

ZIP:92821-3904

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:1L7U2

=== Contractor Identification ===

Company Name:AMERON INTL CORP

Address:201 N BERRY ST

Box:City:BREA

State:CA

ZIP:92821-3904

Country:US

Phone:714-529-1951

CAGE:1L7U2

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

Ingred Name:BUTYL ALCOHOL

CAS:71-36-3

RTECS #:EO1400000

= Wt:29.2

OSHA PEL:300 MG/M3;100 PPM

ACGIH STEL:C152 MG/M3;C50 PPM

EPA Rpt Qty:5000 LBS

DOT R

pt Qty:5000 LBS

Ingred Name:POLYAMIDE ADDUCT RESIN  
= Wt:20.

Ingred Name:IRON OXIDE BLACK  
CAS:12227-89-3  
= Wt:15.

Ingred Name:AMINDO AMINE RESIN  
CAS:68443-08-3  
= Wt:5.

Ingred Name:TRIETHYLENETETRAMINE  
CAS:112-24-3  
RTECS #:YE6650000  
= Wt:5.

Ingred Name:MAGNESIUM SILICATE  
CAS:14807-96-6  
RTECS #:WW2710000  
< Wt:40.  
OSHA PEL:SEE TABLE Z-3  
ACGIH TLV:2 MG/M3

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

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. REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS IS ASSOCIATED WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE 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

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ABSORBED THROUGH SKIN. INHALATION: SEVERE IRRITANT. LUNG INJURY.

RESPIRATORY SENSITIZATION AND ALLERGIC WELDING SUCH AS ASTHMA.

CENTRAL NERVOUS SYSTEM DAMAGE. WELDING FUMES CAN CAUSE WELDING FUME

FEVER. REPEATED EXPOSURE TO IRON DUST CAN CAUSE SIDEROSIS. EYES:

SEVERE IRRITANT. CORNEAL INJURY. IR REVERSIBLE BURNS AND DAMAGE.

INGESTION: HARMFUL IF SWALLOWED. ASPIRATION INTO LUNGS CAN DAMAGE

LUNGS AND CAUSE CHEMICAL PNEUMONIA.

Medical Cond

Aggravated by Exposure:KIDNEYS, LIVER. SKIN. EYES.  
RESPIRATORY. ALLERGIES

===== First 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

1 TO 2 GLASSES OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO  
AN UNCON SCIOUS PERSON. DO NOT INDUCE VOMITING(UNLESS METHANOL)  
CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY, TREAT  
SYMPTOMATICALLY. AFTER FLUSHING EYES FOR 15 MINUTES, GET IMMEDIATE  
MEDICAL ATTENTIO N FROM AN OPHTHALMOLOGIST.

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

Flash Point Method:SCC

Flash Point:=35.6C, 96.F

Lower Limits:1.4

Upper Limits:11.2

Extinguishing Media:F

OAM 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 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.

===== 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 CONTAINERS CLOSED, UPRIGHT WHEN NOT IN USE. STORE IN A COOL DRY, WELL-VENTILATED PLACE. 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 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.

Other Protective Equipment:DEPENDENT UPON APPLICATION METHOD, WEAR RESISTANT COVERALLS, GLOVES AND SHOES COVERING TO PREVENT SKIN CONTACT.

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

Supplemental Safety and Health

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

Boiling Pt:=117.8C, 244.F

Vapor Density:> AIR

Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE

Appearance and Odor:LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:50.23

## ===== 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 Products:CO, CO2, NOX, IRON OXIDE FUMES. TOXIC GASES OR FUMES. METHYL MERCAPTAN..

## ===== Disposal Considerations =====

Waste Disposal Methods:PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER IN ACCORDANCE WITH ALL APPLICABLE LOCAL,

STATE, AND FEDERAL  
REGULATIONS. THIS MATERIAL HAS NOT BEEN TESTED BY TOXICITY  
CHARACTERISTIC LEACHING PROCEDUR E (TCLP)

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

SARA Title III Information:TOXIC CHEMICALS MARKED (SARA, CERCLA, HAPS)  
ARE SUBJECT TO REPORTING REQUIREMENTS OF SARA (40CFR 355 AND 372),  
CERCLA (40CFR 302) OR HAPS (40 CFR 63).

Federal Regulatory Information:ALL INGREDIENTS ARE ON THE TSCA  
INVENTORY OR ARE EXEMPT.

State Regulatory Infor  
mation:CALIF. TITLE PROP 65. WARNING: THIS  
PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO  
CAUSE CANCER. CALIF. TITLE PROP 65 WARNING: THIS PRODUCT CONTAINS A  
CHEMICAL KNOWN TO THE STATE OF C ALIFORNIA TO CAUSE BIRTH DEFECTS  
OR OTHER REPRODUCTIVE HARM.

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