

AMERON PROTECTIVE COATINGS GROUP INT. -- 601S2900 DEVFLEX 601 595A26400 YELLOW GRAY DV 601S20052 -- 8010-01-209-1155

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

Product ID:601S2900 DEVFLEX 601 595A26400 YELLOW GRAY DV 601S20052

MSDS Date:12/19/1997

FSC:8010

NIIN:01-209-1155

Status Code:A

MSDS Number: CKJKY

=== Responsible Party ===

Company Name:AMERON PROTECTIVE COATINGS GROUP INT.

Address:201 NORTH BERRY ST

City:BREA

State:CA

ZIP:92821

Country:US

Info Phone Num:7145291951

Emergency Phone Num:800-424-9300

Preparer's Name:H. KLINE

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:VINYL COPOLYMER RESIN (AS VINYL ACETATE. TRACE CONTAMINANTS

ACRYLAMIDE** FORMALDEHYDE** 0.05%, VINYL ACETATE 0.09%

ACETALDEHYDE** 0.095%. STEL 15PPM, 53 MG/M3.)**=CA TITLE

26:22-12000 (PROP 65).

RTECS #:VC1002543

< Wt:25.

OSHA PEL:10.000 PPM TWA

ACGIH TLV:10.0000 PPM TWA

Ingred Name:+TITANIUM DIOXIDE (AS TI, TRACE CONTAMINANTS 2.5% ALUMINUM HYDROXIDE 3% AMORPHOUS SILICA) +=PIGMENT CONTENT IS DEPENDANT ON COLOR.

CAS:13463-67-7

RTECS #:XR2275000

< Wt:15.

OSHA PEL:5.000 MG/M3 TWA

ACGIH TLV:5.00 MG/M3 TWA

Ingred Name:W

ATER; VP=1.0 MMHG @ 68F
CAS:7732-18-5
RTECS #:ZC0110000
< Wt:9.1

Ingrid Name:ANTIMONY TRIOXIDE (**) (AS ANTIMONY, TRACE IMPURITIES
ARESENIC**1.0%) **=CA TITLE
26:22-12000 (PROP 65).
RTECS #:AR1007788
< Wt:5.
Other REC Limits:NA
OSHA PEL:NA
OSHA STEL:NA
ACGIH TLV:NA
ACGIH STEL:NA

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

LD50 LC50 Mixture:SEE TOXICOLOGICAL
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. REPEATED AND PROLONGED OCCUPATIONAL
OVEREXPOSURE TO SOLVENTS IS ASSOCIATED 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:OVER-EXPOSURE (PROLONGED OR
REPEATED USE) : CAN
AGGRAVATE OR ACCENTUATE ANY OF THESE EFFECTS. SKIN: IRRITANT.
INHALATION: IRRITANT. LUNG INJURY. WELDING FUMES CAN CAUSE WELDING
FUME FEVER. EYES: IRRITANT. CORNEAL INJURY. INGESTION: HARMFUL
IF SWALLOWED. TARGET ORGANS: KIDNEYS. LIVER. LUNGS. SKIN. EYES.
STOMACH. INTESTINES.
Medical Cond Aggravated by Exposure:KIDNEYS. LIVER. HEART. RESPIRATORY.
LUNGS

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

First Aid:INHALATION: R

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. (UNLESS METHANOL; LISTED IN SECTION

2). CONSULT

PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

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

Flash Point Method:SCC

Flash Point:=-93.9C, 201.F

Lower Limits:1.1%

Upper Limits:14.0%

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

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

Handling and Storage Precautions:PROTECT FROM FREEZING. 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 WELD OR FLAME CUT ON EMPTY CONTAINER.

Other Precautions:KN

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

Respiratory Protection:WEAR NIOSH/MSHA CERTIFIED RESPIRATOR DESIGNED TO REMOVE A COMBINATION OF PARTICULATES DUST,SPRAY MIST & VAPOR.WHEN BRUSHING,ROLLING,SPREADING;SELECT THE APPROPRIATE RESPIRATORY PROTECTION FOR THE CONDITIONS.FOR SPECIFIC CONDITIONS,REFER TO

R TO CURRENT NIOSH POCKET GUIDE TO CHEMICAL HAZARDS IN CONFINED OR RESTRICTED VENTLTON. AREAS USE AIRLINE RESPIRATORS,HOODS.

Ventilation:IMPLEMENT ADMINISTRATIVE&ENGINEERING CONTROLS TO REDUCE EXPOSURE.PROVIDE SUFFICIENT VENTILATION IN VOLUME&PATTERN TO KEEP AIR CONTAMINANT CONCENTRATION BELOW *

Protective Gloves:WEAR RESISTANT GLOVES

Eye Protection:WEAR SOLVENT RESISTANT GLASSES W/SPLASH GUARDS OR FACE SHIELD

Other Protective Equipment:WEAR RESISTANT COVERALLS AND SHOE COVERINGS

TO PREVETN SKIN CONTACT. WEAR FACE SHIELD TO PROTECT EYES FROM SPLASH, SPATTER AND/OR SPRAY MIST.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING,SMOKING OR USING TOILET. LAUNDER CONTAMINATED CLOTHING BEFORE USE.

Supplemental Safety and Health

*VENTILATION: THE TLV LIMITS. REMOVE WELDING OR FLAME CUTTING DECOMPOSITION PRODUCTS; FOLLOW CURRENT, ANSI Z49.1,"SAFETY IN WELDING AND CUTTING".

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

Boiling Pt:=180.C, 356.F

Vapor Density:> THAN AIR

Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE

Solubility in Water:NO

Appearance and Odor:APPEARANCE: LIQUID ODOR: SOLVENT

Percent Volatiles by Volume:61.1%

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

KN

Stability Condition to Avoid:HEAT, OPEN FLAME,ARC OR SPARKS.

Hazardous Decomposition Products:(BY FIRE, BURNING OR WELDING); CO,CO2 HYDROGEN CHLORIDE FUMES. ACRYLIC MONOMER FUMES. VINYL CHL

ORIDE

FUMES. TOXIC GASES OR FUMES. FORMALDEHYDE AT TEMP. ABOVE 300F (150 C)

Conditions to Avoid Polymerization:WILL NOT OCCUR UNDER NORMAL CONDITIONS

===== Toxicological Information =====

Toxicological Information:VINYL COPOLYMER RESIN: LD50 5.000 G/KG.
TITANIUM DIOXIDE: LD50 10.000 G/KG, LC50 6820.000 PPM. DIPROPYLENE:
LD50 20.000 G/KG.

===== Ecological Information =====

Ecological:KEEP OUT OF SEWERS AND WATERWAYS. IF ENTRY IS THREATENED OR OCCURS , NOTIFY LOCAL AUTHORITIES.

===== 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 PROCEDURE (TCLP).

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

Transport Information:SHIPPING NAME: PAINT, NOT REGULATED

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

Federal Regulatory Information:INTERNATIONAL REGULATIONS: AS FOLLOWS - CANADIAN WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR USE OF THE 16 HEADINGS.

State Regulatory Information:NEW JERSEY RIGHT-TO-KNOW: THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT: CHEMICAL NAME WATER. PENNSYLVANIA RIGHT-TO-KNOW:

THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%: CHEMICAL NAME: WATER.

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 compe

tent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.