

## AMERON PROTECTIVE COATINGS -- AMERLOCK 400FD CURE -- 8010-00N044290

## ===== Product Identification =====

Product ID:AMERLOCK 400FD CURE  
MSDS Date:11/20/1992  
FSC:8010  
NIIN:00N044290  
MSDS Number: BTJDQ  
=== Responsible Party ===  
Company Name:AMERON PROTECTIVE COATINGS  
Address:201 NORTH BERRY ST  
City:BREA  
State:CA  
ZIP:92622-1020  
Country:US  
Info Phone Num:714-529-1951  
Emergency Phone Num:800-424-9300 (CHEMTREC)  
Preparer's Name:H. KLINE  
CAGE:0Y2E4

## === 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  
Company Name:AMERON PROTECTIVE COATINGS  
Address:201 NORTH BERRY STREET  
Box:1020  
City:BREA  
State:CA  
ZIP:92622-1020  
Country:US  
Phone:714-529-1951  
CAGE:0Y2E4

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

Ingred Name:XYLENE. VP: 6.6 @ 68F. LD50:(ORAL,RAT)4.3G/KG  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 9.98%  
OSHA PEL:100 PPM;150 PPM STEL  
ACGIH TLV:100 PPM;150 PPM STEL  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:POLYAMIDE; (POLYAMIDE RESIN). LD50:(ORAL,RAT)2.5G/KG  
CAS:68082-29-1  
Fraction by Wt: <10%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:EPOXY HARDNER  
Fraction by Wt: <10%  
OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:QUATERNARY AMMONIUM COMPOUNDS, BIS (HYDROGENATED TALLOW ALKYL) DIMETHYL-, SALT W/BENTONITE; (CLAY)

CAS:68953-58-2

RTECS #:UZ2996400

Fraction by Wt: <10%

OSHA PEL:10 MG/M3 (MFR)

ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:AMINE; (POLYAMINE). LD50:(ORAL,RAT)1.6G/KG

CAS:9046-10-0

Fraction by Wt: <5%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:FURFURYL ALCOHOL. VP: <1 @ 68F. LD50:(ORAL,RAT)0.1G/KG

CAS:98-00-0

RTECS #:LU9100000

Fraction by Wt: 3.34%

OSHA PEL:10 PPM;15 STEL,S

ACGIH TLV:10 PPM;15 STEL,S

Ingred Name:PHENOL, 2,4,6-TRIS (DIMETHYLAMINOMETHYL)-; (MODIFIED ALIPHATIC POLYAMINE). VP: <0.01 @ 68F. LD50:(ORAL,RAT)2.2G/KG

CAS:90-72-2

RTECS #:SN3500000

Fraction by Wt: <5%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:OIL OF ORANGE; (DEODORIZING OIL). VP: 2 @ 68F

CAS:8008-57-9

RTECS #:RI8600000

Fraction by Wt: <5%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:BENZENE, ETHYL-; (ETHYL BENZENE). VP: 7.1 @ 68F.

LD50:(ORAL,RAT)3.5G/KG

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 2.01%

OSHA PEL:100 PPM;125 PPM STEL

ACGIH TLV:100 PPM;125 PPM STEL

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL ALCOHOL; (ETHANOL). VP: 57 @ 68F.

LD50:(ORAL,RAT)7.1G/KG

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 1.69%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:AMINE CARBOXYLATE. VP: 0.1 @ 68F

Fraction by Wt: <5%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingrid Name:SILICA, CRYSTALLINE - QUARTZ; (SILICA (CRYSTALLINE)).  
 LD50:(ORAL,RAT)3.2G/KG  
 CAS:14808-60-7  
 RTECS #:VV7330000  
 Fraction by Wt: <5%  
 OSHA PEL:0.1 MG/M3 RDUST  
 ACGIH TLV:0.1 MG/M3 RDUST

Ingrid Name:EXPLAN OF CARCIN: ON CARCINS, 1991: ANTICIPATED TO BE  
 CARCINOGEN  
 RTECS #:9999999ZZ

Ingrid Name:TALC (POWDER), CONTAINING NO ASBESTOS FIBERS; (MAGNESIUM  
 SILICATE)  
 CAS:14807-96-6  
 RTECS #:WW2710000  
 Fraction by Wt: <20%  
 OSHA PEL:2 MG/M3 (MFR)  
 ACGIH TLV:2 MG/M3 (MFR)

Ingrid Name:NONYL PHENOL. VP: <1 @ 68F. LD50:(ORAL,RAT)0.58G/KG (MFR)  
 CAS# 84852-15-3)  
 CAS:84832-15-3  
 Fraction by Wt: <15%  
 OSHA PEL:N/K  
 ACGIH TLV:N/K

Ingrid Name:BARIUM SULFATE.  
 CAS:7727-43-7  
 RTECS #:CR0600000  
 Fraction by Wt: <15%  
 OSHA PEL:10MG/M3 TDUST;5RESP  
 ACGIH TLV:10 MG/M3 TDUST

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
 Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
 Health Hazards Acute and Chronic:VAP/SPRAY MIST CAN BE HARMFUL.  
 IRRITATING TO EYES, SKIN, NOSE & THROAT. EXCESS INHAL CAN CAUSE  
 HDCH, NAUS/DIZZ. RPTD & PRLNGD OCCUP OVEREXP TO SOLV IS ASSOC  
 W/PERM BRAIN & NERV SYS DAM. CAN BE HARMFUL IF INHALED. CAN BE  
 HARMFUL/FATAL IF SWALLOWED. CAN BE HARMFUL IF INHALED/ABSORBED THRU  
 SKIN. (EFTS OF OVEREXP)  
 Explanation of Carcinogenicity:SILICA, CRYSTALLINE-QUARTZ: IARC  
 MONOGRAPHS, SUPPLEMENT. VOL 7, PG 341, 1987: GRP 2A. NTP 6TH ANNUAL  
 REPORT (ING 16)  
 Effects of Overexposure:HLTH HAZ: OVEREXP CAN DAM CNS. OVEREXP/ INGEST  
 CAN CAUSE LUNG, KIDNEY &/OR LIVER DAM. OVERXP CAN CAUSE SKIN BURNS.  
 OVEREXP CAN CAUSE IRREVERSIBLE EYE BURNS & DAM. MAY CAUSE EYE DAM &  
 BLINDNESS IF SWAL LOWED. SKIN & RESP SENSIT & ALLERGIC RXN SUCH AS  
 RASH, HIVES/ASTHMA CAN OCCUR. OVEREXP CAN CAUSE SEV EYE INJURY.  
 (SUPDAT  
 Medical Cond Aggravated by Exposure:RESPIRATORY. ALLERGIES. KIDNEY AND  
 LIVER DISORDERS. BLOOD DISORDERS. SKIN. EYES.

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

First Aid:INHAL: PROVIDE FRESH AIR; IF BREATHING LABORED, GIVE  
 OXYEN/ARTF RESP. SKIN: WASH THORO W/SOAP & WATER. EYES: FLUSH IMMED  
 W/PLENTY OF WATER FOR @ LST 15 MIN & GET MED ATTN. INGEST: DRINK  
 1-2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT  
 PHYS/POIS CTL CTR IMMED. TREAT SYMPTOMATICALLY.

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

Flash Point Method:SCC  
 Flash Point:87.0F,30.6C  
 Lower Limits:0.70%  
 Upper Limits:19%  
 Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
 Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
 PROTECTIVE EQUIPMENT .  
 Unusual Fire/Explosion Hazard:CLSD CONTRS MAY EXPLODE WHEN EXPOSED TO  
 EXTREME HEAT. ISOLATE FROM HEAT, ELEC EQUIP, SPARKS & OPEN FLAME.  
 PVNT STATIC DISCHARGE. AN INGRED MAY PRDCE (SUPP DATA)

===== Accidental Release Measures =====

Spill Release Procedures:AVOID BREATHING OF VAPORS. USE ABSORBENT  
 CLEANUP MATERIALS. PLACE IN SEPARATE CONTAINER. KEEP OUT OF SEWERS  
 AND WATERWAYS. IF ENTRY IS THREATENED OR OCCURS, NOTIFY LOCAL  
 AUTHORITIES. ELIMINATE ALL SOU RCES OF IGNITION.  
 Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTR CLSD, UPRIGHT WHEN NOT IN  
 USE. STORE IN COOL, DRY, WELL-VENTD AREA. AVOID STOR TEMP ABOVE  
 100F. DO NOT TAKE INTERNALLY.  
 Other Precautions:AVOID PRLNGD BRTHG OF VAPS/SPRAY MIST/CONT W/SKIN &  
 EYES. DESTROY CONTAMD LEATHER & ABSORB SHOES WHICH CANNOT BE  
 DECONTAMD. CONT LENSES SHOULD NOT BE WORN WHEN USING MATL. DO NOT  
 WELD/FLAME CUT AN EMP TY CONTR. GROUND CONTR WHEN POURING.

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

Respiratory Protection:NIOSH/MSHA CERTIFIED RESP. FOR SPEC CNDTNS,  
 REFER TO CURRENT NIOSH POCKET GUIDE TO CHEM HAZ. USE NIOSH/MSHA  
 APPRVD AIR-LINE RESP IN CONFINED/RESTRICTED VENT AREAS. REFER TO 29  
 CFR, OSHA PARTS 1910 & 1 915, FOR COATING OPERATIONS.  
 Ventilation:SUFFICIENT VENT, IN VOL & PATTERN, SHOULD BE PROVIDED TO  
 KEEP AIR CONTAM CONC BELOW TLV LIM. REMOVE WELD/ (SUPP DATA)  
 Protective Gloves:NEOPRENE, OTHER SUITABLE (SUPP DATA)  
 Eye Protection:ANSI APPVD CHEM SFTY GOG & (OTR PROT EQT  
 Other Protective Equipment:FULL PROT CLOTHING. SPARK-PROOF EQUIPMENT.  
 EYE PROT: FULL LENGTH FACESHIELD .  
 Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, SMOKING OR USING  
 WASHROOM. LAUNDER CONTAMD CLTHG BEFORE REUSE.  
 Supplemental Safety and Health  
 EXPLO HAZ: A FLOATING FIRE HAZ. VAPS MAY SPREAD LONG DIST, CAUSE FLASH  
 FIRE/IGNITE EXPLOS. EFTS OF OVEREXP: OVEREXP CAN CAUSE DELAYED LUNG  
 INJURY. CHEM PNEUM. ASPIR HAZ. VENT: FLAME CUTTING DECOMP PRO D.  
 REFER TO 29 CFR, OSHA PARTS 1910 & 1915, FOR COATING OPERATIONS.  
 PROT GLOVES: IMPERVIOUS MATLS FOR SOLVENT(S).

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

HCC:F4  
Boiling Pt:B.P. Text:>165F,>74C  
Vapor Pres:SEE INGRED  
Vapor Density:HVR/AIR  
Spec Gravity:1.28  
Evaporation Rate & Reference:0.60-1.7(BUTYL ACETATE=1)  
Appearance and Odor:LIQUID, SOLVENT ODOR  
Percent Volatiles by Volume:22

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS, ACIDS, ALKALIES. EPOXIES UNDER UNCONTROLLED  
CONDITIONS.  
Stability Condition to Avoid:HEAT, OPEN FLAME, ARC/SPARKS.  
Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE.  
OXIDES OF NITROGEN. AMMONIA. ALDEHYDES, OXIDES OF SULFUR, HYDROGEN  
SULFIDE.

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

Waste Disposal Methods:IN SEPARATE, CLOSED METAL CONTAINER I/A/W ALL  
APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. EPA WASTE # D001,  
D002.

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