



AMERON
Coatings

M. S. D. S.
Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : AMERLOCK 400 CURE
 IDENTIFICATION NUMBER: 400C00000
 PRODUCT CLASS : HIGH-SOLIDS EPOXY
 HEALTH : DANGER HMIS/NFPA : H3F3R0

Ameron International
 Protective Coatings Group
 201 North Berry St.
 Brea, CA 92821

EMERGENCY: 800-424-9300 (ChemTrec)
 24 Hours Emergency Hotline

INFORMATION: William B. Dances, PHONE: 714-529-1951 PREPARE DATE: 02/08/01
 PREVIOUS REVISION DATE: 01/08/01

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	BARIUM SULFATE (Also CAS# 7727-43-7. Trace contaminants @ppm: arsenic**1, cadmium**2, lead**#10, chromium6**2, silica**100)	13462-86-7	25.0 %
02	MAGNESIUM SILICATE (Respirable quartz** <0.1%)	14807-96-6	25.0 %
03	XYLENE (STEL 150ppm; Ceiling 300ppm; trace contaminant benzene**# @<10ppm, toluene#<1%) (HAPS, SARA, CERCLA)	1330-20-7	12.50 %
04	POLYAMIDE RESIN (Also CAS#s 68910-91-8 & 68082-29-1. TETA @ 6%)	68410-23-1	15.0 %
05	NONYL PHENOL	84852-15-3	10.0 %
06	POLYAMINE	9046-10-0	10.0 %

07 DIISODECYL PHTHALATE 68515-49-1 5.0 %
 (Also CAS# 26761-40-0. Manufacturer's exposure limit 5mg/m3)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
08	FURFURYL ALCOHOL (STEL 15ppm, 60mg/m3.)	98-00-0	5.0 %
09	ETHYL BENZENE (STEL 125ppm)	100-41-4	3.00 %
10	(HAPS, SARA, CERCLA) CLAY (CRYSTALLINE SILICA** @ <1%)	68911-87-5	5.0 %
11	AMINE CARBOXYLATE (Trace contaminants @ ppm arsenic** 0.14; lead**#, cadmium**, chromium VI** 0.03; nickel** 34.1; mercury# 0.001)	Mixture	5.0 %

ITEM	EXPOSURE LIMITS				VP mmHg @68F	TOXICITY	
	ACGIH TLV-TWA ppm	ACGIH TLV-TWA Mg/M3	OSHA PEL-TWA ppm	OSHA PEL-TWA Mg/M3		LD50 g/kg	LC50 ppm
01	dna	5.0	dna	5.0	N.A.	dna	dna
02	dna	2.00	dna	2.000	N.A.	dna	dna
03	100	434	100	435	6.6	3.900	6700.000
04	dna	dna	dna	dna	N.A.	8.000	dna
05	dna	dna	dna	dna	N.A.	2.100	dna
06	dna	dna	dna	dna	N.A.	2.980	dna
07	dna	dna	dna	dna	N.A.	dna	dna
08	10	40	10	40(S)	N.A.	dna	dna
09	100	434	100	435	7.1	dna	dna
10	dna	3.0	dna	5.0	N.A.	dna	dna
11	dna	dna	dna	dna	N.A.	dna	dna

REGULATORY: **CALIF.TITLE 26:22-12000 (PROP 65). WARNING: This product contains a chemical known to the State of California to cause cancer.
 #CALIF.TITLE 26:22-12000 (PROP 65). WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. All ingredients are on TSCA inventory or are exempt. Toxic chemicals marked (SARA, CERCLA, HAPs) are subject to reporting requirements of SARA (40CFR 355 and 372), CERCLA (40CFR 302), or HAPs (40CFR 63).

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

(S)=Skin; LD50=Dermal.rabbit; LC50=Inhalation,rat; dna=data not available;
na=not applicable

SECTION 3 - HAZARDS IDENTIFICATION

EXPOSURE EFFECTS: 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.

OVER-EXPOSURE (prolonged or repeated use): 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. Can cause defatting and drying of skin.

INHALATION: Irritant. Lung injury. Respiratory sensitization and allergic reaction such as asthma. Central nervous system damage. Chemical pneumonia. Xylene or toluene may cause irregular heart beat. Excessive exposure to barytes dust may product "baritosis."

EYES: Severe irritant. Corneal injury. Irreversible burns and damage. DO NOT wear contact lenses when using this material.

INGESTION: Can be fatal if swallowed. Aspiration into lungs can damage lungs and cause chemical pneumonia. Can cause burns.

TARGET ORGANS: Kidneys. Liver. Lungs. Heart. Skin. Eyes. Stomach. Central nervous system. Fetal defects.

MEDICAL CONDITIONS AGGRAVATED: Kidneys. Liver. Skin. Eyes. Respiratory. Lungs.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

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

SECTION 4 - FIRST AID MEASURES

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.

protection for the 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. Refer to 29 CFR, OSHA parts 1910.134 and 1915 for coating operations; part 1910.146 Confined Spaces; ANSI Z88.2, Practices for Respiratory Protection; 42 CFR, part 84 Particulate Respirators.

PROTECTIVE CLOTHING AND EQUIPMENT: Dependent upon application method, wear resistant coveralls, gloves and shoe coverings to prevent skin contact. Wear solvent resistant glasses with splash guards or face shield to protect eyes from splash, spatter and/or spray mist. Consult 29 CFR 1910.132, 133, 136, 138; ANSI Z87.1, Z41. Use explosion and spark-proof equipment.

HYGIENIC PRACTICES: Wash thoroughly after handling and before eating, smoking or using toilet. Launder contaminated clothing before use. Destroy contaminated leather and absorbent shoes, which cannot be decontaminated, to prevent reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 212 - 277 F	VAPOR DENSITY	: Is heavier than air
ODOR	: SOLVENT	WEIGHT PER GAL	: 11.6729
APPEARANCE	: LIQUID	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: NO		
MIXED VOC, G/L	: 168	MIXED THINNED VOC, G/L	: 209
THINNER	: 65 @ 0.5 pints	PHOTOCHEMICALLY REACTIVE:	Yes
VOLATILE VOLUME %	: 27.46		

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, open flame, arc or sparks.

INCOMPATIBILITY: Strong oxidizers, acids and alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: (BY FIRE, BURNING OR WELDING); CO, CO2. NOx. Hydrogen chloride fumes. Aldehydes. SOx. Toxic gases or fumes. ammonia

SECTION 10 - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

TOXICOLOGICAL PROPERTIES: See Section 2.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

EPA Waste No.: D001

DISPOSAL METHOD: 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).

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Paint

DOT HAZARD CLASS: 3 HAZARD SUBCLASS: NA

DOT UN/NA NUMBER: 1263 IMO: NA PACKING GROUP : III

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SECTION 15 - 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 ----- CAS NUMBER

No non-hazardous materials are among the top five ingredients.

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME ----- CAS NUMBER

No non-hazardous ingredients are present at greater than 3%.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

SECTION 16 - OTHER INFORMATION

