



AMERON
Coatings

M. S. D. S.

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : AMERLOCK 400ALC DOT ALUMINUM RESIN
IDENTIFICATION NUMBER: 400ALCB00025
PRODUCT CLASS : HIGH-SOLIDS EPOXY (ALUMINUM)
HEALTH : WARNING HMIS/NFPA : H2F2R2

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

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

INFORMATION: J. McCarthy, PHONE: 714-529-1951 PREPARE DATE: 09/25/98
PREVIOUS REVISION DATE: 06/08/98

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	EPOXY RESIN (EPCH**# @ <1ppm, DGE 2ppm, PGE** 6ppm)	25068-38-6	65.0 %
02	MAGNESIUM SILICATE (Respirable quartz** <0.1%)	14807-96-6	15.0 %
03	+ ALUMINUM FLAKE (As aluminum welding fume) (SARA)	7429-90-5	10.0 %
04	DIISODECYL PHTHALATE (Mfg TLV 5mg/m3)	26761-40-0	10.0 %
05	VM & P NAPHTHA (STEL 400ppm, 1800mg/m3; trace contaminent benzene**#@ 0-900ppm.)	64742-48-9	4.40 %
06	HIGH FLASH NAPHTHA (Mfg TLV 50ppm; trace contaminant benzene**#@<30ppm SARA) (CERCLA)	64742-95-6	2.70 %
07	1,2,4-TRIMETHYL BENZENE (SARA, CERCLA)	95-63-6	2.00 %

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	EXPOSURE LIMITS				VP mmHg @68F	TOXICITY	
	----- ACGIH -----		----- OSHA -----			LD50 g/kg	LC50 ppm
	TLV-TWA ppm	TLV-TWA Mg/M3	PEL-TWA ppm	PEL-TWA Mg/M3			
01	dna	dna	dna	dna	N.A.	20.000	dna
02	dna	2.00	dna	2.000	N.A.	dna	dna
03	dna	5.00	dna	5.000	N.A.	dna	dna
04	dna	dna	dna	dna	N.A.	dna	dna
05	300.0000	1370.00	300.000	1350.000	5.2	3.100	3400.000
06	dna	dna	100.000	dna	2.7	3.100	3670.000
07	25.0000	125.00	25.000	125.000	1.0	dna	dna

REGULATORY: +Pigment content is dependent on color. **CALIF.TITLE 26:22-12000 (PROP 65). WARNING: This product contains a chemical known to the State of California to cause cancer. 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).

(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: Irritant. Sensitization or allergic reaction, such as rash or hives. Can be absorbed through skin.

INHALATION: Irritant. Lung injury. Central nervous system damage. Welding fumes can cause welding fume fever.

EYES: Irritant.

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

TARGET ORGANS: Lungs. Skin. Eyes. Stomach. Central nervous system.

MEDICAL CONDITIONS AGGRAVATED: Skin. Eyes. Respiratory. Allergies.

SECTION 3 - HAZARDS IDENTIFICATION

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

"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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 250 - 336 F	VAPOR DENSITY	: Is heavier than air
ODOR	: SOLVENT	WEIGHT PER GAL	: 10.4792
APPEARANCE	: LIQUID	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O	: NO		
EPA MIXED VOC, G/L:	126.0000	EPA MIXED THIN VOC, G/L	: 170.0000
THINNER	: 65 @ 0.50 PINTS	PHOTOCHEMICALLY REACTIVE:	Yes
VOLATILE VOLUME %	: 15.86		

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITY: Strong oxidizers, acids and alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: (BY FIRE, BURNING OR WELDING); CO, CO2. Aldehydes. Aluminum oxide fumes.

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, D018

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). Do not place unreacted, mixed material containing aluminum or zinc in a sealed scrap receptacle containing water or other mixed material as gassing may cause container to burst.

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