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**MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS, AND RELATED MATERIALS
REPLACES NPCA 1-82**

Manufactured for

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SECTION I - PRODUCT INFORMATION

PRODUCT NAME: POWERLOCK

PRODUCT DESCRIPTION: Lock Down Encapsulant
Penetrating Encapsulant
Removal Encapsulant

PRODUCT CLASS: Copolymer Latex Coating - Water Dispersion

TRANSPORTATION INFORMATION: Shipping Class 55, Paint (No special labels required.)

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	Percent	OCCUPATIONAL EXPOSURE LIMIT		VAPOR PRESSURE
		TLV	PEL	
Polymerized Latex Emulsion [9011-09-0]		N/E	N/E	

The components of this mixture are not designated carcinogenic by the National Toxicology Program (NTP) or the International Agency for Research or Cancer (IARC).

SECTION III - PHYSICAL DATA

BOILING RANGE: 212° F

VAPOR DENSITY: Lighter than air

EVAPORATION RATE: Slower than ether

VOLATILE VOLUME: 88% - 96%

GAL: 8.75 lbs

SPECIFIC GRAVITY: 1.05

SOLUBILITY IN WATER: Appreciable

VISCOSITY: Approx. 40 cps

DECOMPOSITION TEMPERATURE: Approx. 240° F (115° C)

FREEZING POINT: 32° F (0° C)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

OSHA - IIIB DOT - Not Regulated FLASH POINT - No flash to boiling 212o F (TCC)

LEL - Not available

EXTINGUISHING MEDIA: Foam Alcohol Foam CO2 Dry Chemical Water Fog Other

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SPECIAL FIREFIGHTING PROCEDURE: Product will not burn until water has evaporated. For dried film or residual solids, full protective equipment is recommended, including self-contained breathing apparatus.

SECTION V - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE: A TLV for this mixture has not been established.

Eye contact may cause moderate irritation. Prolonged skin contact may cause slight irritation. Exposure to concentrated vapors may cause some individuals to experience headaches or dizziness. Ingestion of the liquid may irritate the mucous membranes and gastrointestinal tract and may cause vomiting.

If headaches or dizziness are experienced by an individual, the product handling procedures and workplace ventilation should be examined.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: No available information.**PRIMARY ROUTES OF ENTRY:** Dermal, Inhalation**EMERGENCY AND FIRST AID PROCEDURE:** Skin - wash with soap and water. Eyes - flush with clean water at least 15 minutes. If irritation persists, consult physician. Inhalation - remove to fresh air. If breathing is difficult, administer oxygen. If irritation persists, consult physician. Ingestion - give two glasses of water, induce vomiting, consult physician or poison control center. Never give anything by mouth to an unconscious person.

SECTION VI - REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition will yield CO, CO2, AND HCl.**CONDITIONS TO AVOID:** None known.**INCOMPATIBILITY (Materials to Avoid):**

Materials incompatible with water and strong oxidizers.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Major spills should be collected for disposal. Minor spills may be flushed to sewer if regulations permit. Before drying, product may be washed away with water; after drying, remove with a paint scraper or strong solvent.

WASTE DISPOSAL METHOD: In accordance with all applicable regulations. Review hazard section of this sheet before attempting clean-up. Empty containers are non-hazardous under RCRA as industrial waste.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: In restricted ventilation areas, or applications where mists or spray may be generated, avoid inhalation of airborne particulates by using an approved respirator with organic vapor cartridge with prefilter for mist or dust.

VENTILATION: General (mechanical) room ventilation is expected to be satisfactory. Local exhausts should be considered for coating operations.

PROTECTIVE GLOVES: Impervious gloves.

EYE PROTECTION: Goggles, faceshields, or other eyewear to protect from splash. As a general rule, contact lens should not be worn when working with chemicals.

OTHER PROTECTIVE EQUIPMENT: None.

HYGIENIC PRACTICES: Thoroughly cleanse hands after handling. Launder contaminated clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid breathing vapors. Avoid application to hot surfaces, as vapors may be irritating. Keep container closed. Use with adequate ventilation. Store indoors at temperatures of 45°F - 90°F. Do not store in contact with iron, aluminum, zinc, copper, or other alloys.

OTHER PRECAUTIONS: For industrial/professional use only. Not intended for retail sale or use by individual consumers. Do not reuse container for potables or edibles.



AMERICAN COATINGS CORPORATION

Serving the Environmental Control Industry Since 1979

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POWERLOCK

Lock-Down Encapsulant

POWERLOCK is a unique emulsion which meets all industry standards for lock-down encapsulants. POWERLOCK's special latex composition has been developed to significantly cut labor expenses by sticking to the surface during the first application.

POWERLOCK's ready-to-spray formula is used for "locking down" all surfaces in the work areas, including debris.

As a "lock-down" encapsulant, POWERLOCK's full strength formula provides the final measure of protection by sealing any treated fibers which may have remained within the abatement area. Upon curing, POWERLOCK forms a tough, resilient film over the treated substrate. It is compatible with all standard replacement products.

POWERLOCK dries to a standard translucent finish. Upon request, POWERLOCK is also available in tints.

PRODUCT DATA & TEST RESULTS

Product Classification	Lock Down Encapsulant
pH	4.0
Specific Gravity	1.05
Weight per Gallon, pounds	8.75
Reactivity Data	Stable
Incompatibility	Strong Oxidizers
Freezing Point	32°F
Storage	40°F - 100°F
Odor, Wet	Mild Latex
Odor, Dry	None
Color, Wet	Milky White
Color, Dry	Translucent
Tints	Available Upon Request

FLAMMABILITY INFORMATION

OSHA	IIIB
DOT	Not Regulated
Flame Spread Index (ASTM E84-86)	0
Smoke Developed	0
Fire Rating (ASTM E84-86)	A
Flame Spread Index (ASTM E162)	17
Flame Spread Classification (ASTM E162)	A
(ASTM E162 Tests Conducted on Friable Test Matrix at 7-12 ft ² /Gallon)	

SMOKE GENERATION & GAS RELEASE

Opt. Density Flame Mode	3
CO1 percent by Volume	.03 of 1%
HCl, ppm	Less than 1
HCN, ppm	Less than 2
+ No2	Less than 5

(Smoke tests conducted on a Friable Test Matrix at Coverage >20 ft²/Gallon)

APPLICATION SUGGESTIONS

Follow all Federal, State and Local regulations and standards governing the safe handling, treatment and disposal of asbestos containing materials.

This product should be used full-strength. Excessive dilution will reduce this product's efficiency.

Trial application is recommended to determine this product's most effective coverage rate.

Wear safety non-skid footwear. Avoid hot surfaces.

Keep Material Safety Data available when handling or using this product.

1. Make sure all visible asbestos materials have been removed per specification requirements.
2. Set airless spray equipment to lowest possible pressure still capable of spraying the product.
3. Using a consistent spraying motion, apply POWERLOCK to all surfaces in the work area, including debris. Avoid hot surfaces.
4. One misting should be sufficient. Allow adequate drying time prior to installation of replacement material. Drying time will be dependent upon field conditions.

APPROXIMATE COVERAGE: Up to 650 ft²/Gallon

EQUIPMENT SPECIFICATIONS

Electric airless spray pump. Approximately 2200-2600 PSI.
Hose Size 1/4 - 1/2 Inch Inner Diameter
Standard paint gun with .011 to .019 tip opening.
Apply at low pressure to avoid rebounding and material loss.

UL LISTING

Type POWERLOCK post removal encapsulant material for use with Classified Types RG and RG1 cementitious mixtures manufactured by Zonolite Construction Products Div., W.R. Grace & Co. applied at an application rate of not less than 500 sq ft/gal and with Classified Types D-C/F, II, JN and JN-HD sprayed fibers, manufactured by Isolatek International, applied at an application rate of not less than 650 sq ft/gal to beams, columns, joists and floor or roof ceiling assemblies consisting of all fluted steel floor and form units. The ability of this material to act as a sealant has not been investigated. R-14163 (N)



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