

*File Spec.*

**118919**

LAD MATERIAL SAFETY DATA SHEET

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N/A = NOT APPLICABLE  
N/E = NOT ESTABLISHED

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SECTION 1: GENERAL INFORMATION  
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ATLAS MINERALS & CHEMICALS, INC.  
FARMINGTON ROAD, P. O. BOX 0038  
MERTZTOWN, PA. 19539-0038

*DATE*

PHONE: (215) 682-7171  
24 HOUR EMERGENCY PHONE (CHEMTREC): 1-800-424-9300

DATE OF DATA SHEET: 11/04/93  
PRODUCT NUMBER: Z100118

TRADE NAME: EPOXYBOND PUTTY HARDENER

CHEMICAL FAMILY: AMIDOAMINE

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SECTION 1A: REGULATORY AFFAIRS INFORMATION  
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1. THE INGREDIENTS IN THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY AS REQUIRED BY US LAW AND THE DSL AS REQUIRED BY CANADIAN LAW.
2. INGREDIENTS PRESENT AT A LEVEL THAT MAY BE SUBJECT TO REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313.  
INGREDIENTS - NONE
3. INGREDIENTS PRESENT AT A LEVEL WHICH COULD REQUIRE REPORTING OF RELEASE UNDER CERCLA.  
INGREDIENTS - NONE
4. INGREDIENTS PRESENT AT A LEVEL THAT IS SUBJECT TO EMERGENCY PLANNING REQUIREMENTS OF THRESHOLD PLANNING QUANTITIES (TPQ'S) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQ'S) IN 40CFR355 (USED FOR SARA TITLE III SECTIONS 302, 304, 311 AND 312).  
INGREDIENTS - NONE
5. INGREDIENTS LISTED IN CALIFORNIA PROPOSITION 65 AS CAUSING CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.  
INGREDIENTS - NONE

6. INGREDIENTS LISTED IN PENNSYLVANIA ON THE HAZARDOUS SUBSTANCE LIST.	
INGREDIENTS	CAS NUMBER
LIMESTONE	1317-65-3
TALC	14807-96-6
SILICA	14808-60-7

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SECTION 2: INGREDIENTS  
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INGREDIENTS:  
CALCIUM CARBONATE (LIMESTONE) \*  
CAS #: 1317-65-3      %: 35-60      TWA: 10 MG/M3      STEL:  
MAGNESIUM CARBONATE

POXYBOND PUTTY HARDENER

CAS #: 546-93-0	%: 1-20	TWA: 10 MG/M3	STEL:
CALCIUM CARBONATE			
CAS #: 471-34-1	%: 12-15	TWA: 10 MG/M3	STEL:
AMISOAMINE RESIN			
CAS #: 68443-08-3	%: 12-15	TWA: N/E	STEL: N/E
MAGNESIUM SILICATE (TALC) *			
CAS #: 14807-96-6	%: 10-12	TWA: 10 MG/M3	STEL:
4-NONYLPHENOL, BRANCHED			
CAS #: 84852-15-3	%: 3-5	TWA: N/E	STEL: N/E
SILICA			
CAS #: 14808-60-7	%: < 3	TWA: 0.1 MG/M3	STEL:
* NATURALLY OCCURRING SUBSTANCE			

SARA TITLE III HAZARD CATEGORIES

HEALTH: ACUTE (IMMEDIATE) - YES  
 HEALTH: CHRONIC (DELAYED) - NO  
 SUDDEN RELEASE OF PRESSURE - NO

FIRE - NO  
 REACTIVE - NO

CARCINOGENICITY

SILICA (14808-60-7) LISTED BY IARC AND NTP, NOT OSHA

SECTION 3: PHYSICAL DATA

BOILING POINT: > 450 DEG F  
 VAPOR PRESSURE: VERY LOW  
 VAPOR DENSITY: HEAVIER THAN AIR  
 SPECIFIC GRAVITY: 2.05 TO 2.10  
 PERCENT VOLATILE: NIL  
 EVAPORATION RATE: N/A  
 SOLUBILITY IN WATER: PARTIALLY SOLUBLE  
 APPEARANCE AND ODOR: STIFF PUTTY; SLIGHT AMMONIA ODOR

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 490 DEG F (C.O.C.)  
 EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL  
 SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: IGNITION CAUSES DECOMPOSITION AND POSSIBLE FORMATION OF AMMONIA VAPORS AND NITROGEN OXIDES.

SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: EYE AND SKIN CONTACT, INHALATION

EFFECT OF OVEREXPOSURE:  
 EYES: CONTACT MAY CAUSE IRRITATION.  
 SKIN: CONTACT MAY CAUSE IRRITATION.  
 INHALATION: MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT.  
 CHRONIC EFFECTS OF OVEREXPOSURE: RESPIRATORY IRRITATION, SKIN SENSITIZATION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: RESPIRATORY PROBLEMS, ALLERGIES, ECZEMA

OXYBOND PUTTY HARDENER

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**FIRST AID:**

**EYES:** FLUSH WITH CLEAN WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

**SKIN:** WASH CONTACT AREA WITH MILD SOAP AND WATER.

**INGESTION:** IF CONCIIOUS, DRINK LARGE AMOUNTS OF WATER TO DILUTE. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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**SECTION 6: REACTIVITY DATA**  
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**STABILITY:** STABLE

**INCOMPATABALITY:** MINERAL ACIDS, OXIDIZERS

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO AND/OR CO2, NITROGEN OXIDES

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

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**SECTION 7: SPILL AND LEAK PROCEDURES**  
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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** COLLECT FOR PROPER DISPOSAL. FLUSH AREA WITH WATER. KEEP OUT OF WATER SUPPLY.

**WASTE DISPOSAL METHODS:** DISPOSE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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**SECTION 8: SPECIAL PROTECTION INFORMATION**  
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**RESPIRATORY PROTECTION:** NOT NEEDED UNDER NORMAL CONDITIONS

**VENTILATION:**

**LOCAL:** ADEQUATE TO KEEP EXPOSURE BELOW TLV

**PROTECTIVE GLOVES:** PLASTIC OR RUBBER GLOVES

**EYE PROTECTION:** SAFETY GOGGLES

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**SECTION 9: SPECIAL PRECAUTIONS**  
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**STORE IN A COOL DRY PLACE. DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.**