

# ERGON ARMOR

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MSDS No.: NI010

August 25, 2009

Material Safety Data Sheet

SL-100

## 1. PRODUCT IDENTIFICATION

Trade Name: SL-100

Chemical Family: Epoxy

Intended Use or Product Type: Epoxy Coating

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### OSHA Hazardous Ingredients:

#### Resin: Novolac Resin

CAS #28064-14-4, 10%-40%

TLV / PEL: none established

#### Hardener: 1 Propanamine

CAS #919-30-4, 30% or less irritant

Modified Polyamine

CAS #(Trade Secret), 80% or less irritant to strong irritant

## 3. HAZARDS IDENTIFICATION

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## 4. FIRST AID MEASURES

**Ingestion:** Resin: If large amounts are ingested, induce vomiting if conscious.  
Hardener: Call physician immediately. Give generous amounts of water if conscious. **Do Not** induce vomiting.

**Skin:** Resin: Promptly wash with mild soap and water.  
Hardener: Promptly wash with mild soap and water.

**Inhalation:** Resin: Remove to fresh air. Give oxygen if breathing is difficult.  
Hardener: Remove to fresh air. Give oxygen if breathing is difficult.

**Eyes:** Resin: Immediately flush eyes with water for 15 minutes. Call physician immediately.  
Hardener: Immediately flush with water for 15 minutes. Call physician immediately.

### Overexposure Effects:

### Medical Conditions Aggravated by Exposure:

### Additional Information:

## 5. FIRE FIGHTING MEASURES

<b>Flash Point:</b>	<b><u>Resin</u></b> >300°F (149°C)	<b><u>Hardener</u></b> >200°F (93°C)
<b>Flash Point Method Used:</b>		
<b>Fire Fighting Extinguishing Media:</b>	Carbon Dioxide, foam, dry chemical	
<b>Fire Fighting Equipment:</b>	Self contained breathing apparatus	
<b>Fire and Explosion Hazards:</b>		
<b>NOTE:</b>		

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is spilled:

**Resin**

**Hardener**

## 7. HANDLING AND STORAGE

**Precautions:**

**Storage Information:**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal Protective Equipment:**

**Skin Protection:** Impervious gloves

**Respiratory Protection:** Good general mechanical ventilation and local exhaust

**Eye Protection:** Splash proof chemical goggles

**Engineering Controls:**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	<b><u>Resin</u></b> Gray	<b><u>Hardener</u></b> Brown
<b>Odor:</b>	None	Slightly sweet
<b>Physical State:</b>		
<b>Solubility in Water (% by weight):</b>	Negligible	Negligible
<b>Melting Point:</b>	<0°F (-18°C)	<0°F (-18°C)
<b>Density:</b>		
<b>pH:</b>	CA 5	CA 10

## 10. STABILITY AND REACTIVITY

**Stability:**

**Incompatibility:**

**Hazardous Decomposition Products:**

Resin

Hardener

**Hazardous Polymerization:**

Resin

Hardener

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral Effects (Ingestion):**

Resin  
Hardener

**Sensitization:**

**Skin Irritation:**

**Eye Irritation:**

12. **ECOLOGICAL INFORMATION**

**Additional Information:**

13. **DISPOSAL CONSIDERATIONS**

**Waste Disposal Method: Not considered hazardous under RCRA (40 CFR 261). Dispose according to state, federal and local regulations.**

14. **TRANSPORT INFORMATION**

**DOT: Not regulated**

15. **REGULATORY INFORMATION**

**US Federal Regulations:**

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: Not listed.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Sec. 313 (40 CFR 372). This information must be included in all MSDS's that are copied and distributed for this material.

**OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific features and shall not establish a legally valid contractual relationship.