

# ERGON ARMOR

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MSDS No.: NI006

**Effective Date: June 24, 2009**      **Material Safety Data Sheet**      **NovoTac**

## 1. PRODUCT IDENTIFICATION

Trade Name: NovoTac

Chemical Family: Acrylic emulsion

Intended Use or Product Type: Waterborne acrylic coating

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Rosin Ester Dispersion:** CAS# Trade Secret, 40-50%

OSHA (PEL/STEL) NE

ACGIH (TWA/STEL) NE

**Styrene Acrylic Latex:** CAS# Trade Secret, 40-50%

OSHA (PEL/STEL) NE

ACGIH (TWA/STEL) NE

**Water:** CAS # 7732-18-5, 0-10%

OSHA (PEL/STEL) NE

ACGIH (TWA/STEL) NE

## 3. HAZARDS IDENTIFICATION

Emergency Overview: Slight eye and skin irritant. May cause slight irritation to mouth, Throat, and digestive system.

Carcinogenicity: This product contains no ingredient listed as a carcinogen by IARC, NTP, or OSHA.

## 4. FIRST AID MEASURES

**Ingestion:** Drink 1-2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

**Skin:** Skin Contact- Possible primary irritation (material is slightly alkaline). Remove with soap and water. Remove contaminated clothing.

**Inhalation:** May cause headache and nausea. Remove to fresh air.

**Eyes:** Eye Contact- Primary irritation. Flush immediately with large amount of water for at least 15 minutes. Consult physician.

**Medical Conditions Aggravated by Exposure:** None Known

## 5. FIRE FIGHTING MEASURES

**Flash Point Method Used:** non combustible  
**Fire Fighting Extinguishing Media:** Carbon Dioxide, water, dry chemical  
**Fire Fighting Equipment:** Use a self-contained breathing apparatus

### Flammable Limits

**LEL**                    **UFL**  
**N/A**                    **N/A**

**Fire and Explosion Hazards:** Material can splatter above 212°F. Dried product can burn.

**Special Firefighting Procedures:** Wear self contained breathing apparatus (pressure demand MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Steps to be taken if material is spilled:  
 Scoop or mop up spills. Absorb with sand, vermiculite, etc. Transfer to containers for discarding.  
 Wear proper protective gear.

## 7. HANDLING AND STORAGE

**Precautions:** Do not take internally. Avoid prolonged or repeated contact with skin. Do not get into eyes. Use adequate ventilation.

**Storage Information:** Keep material from freezing. Keep closure tight and container upright to prevent leakage. Do not store above 125°F

### HMIS

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HEALTH	1
FLAMABILITY	0
REACTIVITY	0
EQUIPMENT	B

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal Protective Equipment:** Wear protective equipment to prevent exposure and personal contact.

**Skin Protection:** Impervious gloves required for long or repeated contact.  
 Rubber type suggested.

**Respiratory Protection:** Approved mechanical filter respirator to remove solid airborne particles or overspray during spray application.

**Eye Protection:** Splash-proof chemical goggles

**Engineering Controls:** Good general mechanical ventilation and local exhaust

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Light Blue
<b>Odor:</b>	Slight odor
<b>Physical State:</b>	Liquid
<b>Solubility in Water (% by weight):</b>	45
<b>Density:</b>	1.20
<b>Specific gravity</b>	0.96
<b>Wt/gal</b>	8.48 – 8.58
<b>Boiling Point</b>	212 °F
<b>Vapor Density (air=1)</b>	<Water
<b>pH</b>	6.5-7.5
<b>Vapor Pressure (mmHg)</b>	17mmHg@68°F
<b>Evaporation Rate (butyl acetate=1)</b>	<Water

**10. STABILITY AND REACTIVITY**

**Stability:** Stable

**Incompatibility:** None reasonable foreseeable

**Hazardous Decomposition Products:** Burning of dry coating can produce carbon dioxide & monoxide.

**Hazardous Polymerization:** Will not occur

**11. TOXICOLOGICAL DATA**

No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data

**Environmental Transport:** No data

**Environmental Degradation:** No data

**13. DISPOSAL CONSIDERATIONS**

Solidified waste material should not be a hazardous waste under RCRA guidelines. Follow federal, state, and local regulations for disposal of solid waste.

**14. TRANSPORT INFORMATION**

**DOT:** Not Regulated

**15. REGULATORY INFORMATION**

**RCRA:** RCRA Waste Number: Not Listed

**CERCLA:** Not Listed

**SARA:** SARA 311/312 Codes: Not Listed

SARA Toxic Chemical: Not Listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

**TSCA:** All chemical components are registered for use under TSCA

**16. 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.