



# Overbreak Control Products

## AUSTIN POWDER

A TRADITION OF SAFETY, STRENGTH AND SERVICE.

*Detonator Sensitive Emulsion*

### DESCRIPTION

Emuline® and Red-D Lite-E™ are explosive products especially designed for controlled blasting applications requiring de-coupling of the explosive charge such as pre-splitting, trim blasting or smoothwall technique.

### **BENEFITS**

- Emuline is a continuous length of emulsion packaged in tough film cartridges with an attached line of detonating cord. The continuous length can be easily cut to desired length.
- Red-D Lite-E is an emulsion packaged in rigid paper cartridges with couplers that quickly connect together.



### PROPERTIES

Product	Density [g/cc]	Pressure [kb]	Water Resistance	VOD	
				[ft/s]	[m/s]
Emuline	1.05	57	Excellent	14,000	4,270
Red-D Lite-E	1.06	58	Excellent	15,000	4,570

### PRIMING

*Emuline:* Use a high strength detonator (Rock\*Star®, Shock\*Star® or equivalent) or A-Cord™ (25 gr/ft) detonating cord secured to the product's attached detonating cord.

*Red-D Lite-E:* Use a high strength detonator (Rock\*Star, Shock\*Star or equivalent). If product temperature is below 20° F (-6° C), prime with a minimum of a Gold Nugget™ (8 gm) cast booster. This product is not designed for use with any strength of detonating cord.

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## PACKAGING

Product	Cartridge Size		Cartridge Weight		Case Quantity 50 lb / 22.5 kg	
	[in]	[mm]	[lb/ft]	[kg/m]	[ft]	[m]
Emuline	7/8 x 16	22 x 400	0.31	0.47	160 ± 6	48.8 ± 1.8
Emuline	1 1/4 x 16	32 x 400	0.59	0.88	85 ± 3	25.9 ± 0.9

Product	Cartridge Size		Cartridge Weight		Case Quantity 50 lb / 22.5 kg
	[in]	[mm]	[lb/ft]	[kg/m]	[Ctg]
Red-D Lite-E	7/8 x 24	22 x 600	0.30	0.43	83

Note: All dimensions and weights are nominal.



For more information and service locations in your area, please contact:

**Austin Powder Company**  
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Fax: 1-216-464-4418  
Web: [www.austinpowder.com](http://www.austinpowder.com)  
Email: [info@austinpowder.com](mailto:info@austinpowder.com)

### STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

### SHELF LIFE

One year from date of manufacture under good storage conditions.

### UN CLASSIFICATION

**Shipping Name:** Explosive, Blasting, Type E  
**Class & Division:** 1.1D  
**ID Number:** UN0241

### DOT REFERENCE NUMBER

EX-9305177 (Emuline)  
EX-1993050177 (Red-D Lite-E)

### **Disclaimer of Warranties and Limitations of Liabilities**

"Products described in this bulletin are sold by Austin Powder Company without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages."