

MILES® ETHANOL PS 642-190

190-Proof Denatured Ethanol

Product Data Sheet**PRODUCT DESCRIPTION**

Miles® Ethanol PS 642-190 is a 190-proof (approximately 95% by volume) denatured ethyl alcohol — a clear, colorless liquid with a characteristic alcohol odor, completely miscible with water. Denaturants are added per the applicable formula to render the product unfit for beverage use in accordance with U.S. Alcohol and Tobacco Tax and Trade Bureau (TTB) regulations.

Ethanol PS 642-190 is commonly utilized as an industrial solvent, cleaning agent, and process/extraction solvent.

Chemical Name: Ethyl Alcohol (Denatured) / Ethanol

CAS Number: 64-17-5 (ethanol); denaturant composition per formula

Chemical Formula: C₂H₆O (ethanol component)

Molecular Weight: 46.07 g/mol (ethanol component)

TYPICAL APPLICATIONS

Miles® Ethanol PS 642-190 is suitable for use in applications including:

- Industrial solvent and cleaning applications
- Extraction and process solvent
- Ink, coating, and adhesive formulations
- Fuel for alcohol-burning appliances
- General industrial processing

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	Clear, colorless liquid
Ethanol Content	~95% by volume (190 proof)
Molecular Weight (ethanol)	46.07 g/mol
Boiling Point @ 1 atm	78–79°C (172–174°F)
Specific Gravity @ 20–25°C	0.811 – 0.821
Vapor Pressure	~44.6 mm Hg
Flash Point, Closed Cup	14–17°C (58–62°F)
Autoignition Temperature	~363°C (685°F)
Solubility in Water	Completely miscible

The values shown are typical physical properties and are not intended to constitute product specifications. Exact denaturant formulation and trace-level physical properties may vary slightly by batch; consult the current Certificate of Analysis and TTB formula documentation for the specific lot supplied.

PRODUCT FEATURES

- High ethanol content (190 proof)
- Excellent water miscibility
- Fast-evaporating, effective solvent
- TTB-compliant denaturation
- Suitable for numerous industrial formulations

STORAGE & HANDLING

Store in tightly closed containers in a cool, dry, well-ventilated area, away from heat, sparks, open flames, and other ignition sources. Denatured ethanol is a flammable liquid; ground and bond containers and transfer equipment to control static discharge.

Consult the applicable Miles® Safety Data Sheet (SDS) before handling, storing, or using this product.

AVAILABLE PACKAGING

- 55-Gallon Drums
- Totes / IBCs
- Bulk

Packaging availability may vary. Contact Miles Lubricants LLC for current packaging and minimum-order requirements.

IMPORTANT

Miles® Ethanol PS 642-190 is denatured per TTB formula and is not fit for beverage, food, or pharmaceutical use under any circumstances. It should not be represented or used as USP, food, cosmetic, or personal-care grade unless the specific product supplied is independently certified for those applications.

PRODUCT INFORMATION

Miles Lubricants LLC

Industrial Lubricants, Chemicals & Specialty Fluids

Product: Miles® Ethanol PS 642-190 – 190-Proof Denatured Ethanol (55 Gal Drum)

CAS No.: 64-17-5

For product availability, technical information, and Safety Data Sheets, contact Miles Lubricants LLC.

DISCLAIMER

The information and typical properties contained in this Product Data Sheet are provided for general informational purposes and are believed to be accurate at the time of publication. Typical values are not specifications or guaranteed properties. Product users are responsible for determining the suitability, compatibility, safety, and regulatory compliance of the product for their particular application. Please consult the applicable Safety Data Sheet before use.