



**ADVANCED POLYMER, INC.**

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## APS-ME5

APS-ME5 is a low turbidity, stable, microemulsion of a high viscosity amino functional silicone fluid. APS-ME5 has a variety of applications due to its excellent dilution stability and small particle size. APS-ME5 can be used as an additive for automotive or household polishes, or as a release agent. When used as an additive for polishes, including vinyl and tire dressings, the high viscosity will provide excellent gloss.

### CHARACTERISTICS

- Impart high gloss when applied to rubber or vinyl.
- Exhibit excellent dilution stability.
- Low VOC. <100 g/l

### APPLICATION

As an additive in automotive and household polishes, APS-ME5 may be diluted 30 to 50 weight percent with distilled or deionized water. Adjust this concentration up or down depending on the desired level of gloss to be imparted by the final product. The addition of a wetting agent, APS-442 or APFS-14, may help with leveling and wet out on the treated substrate.

### PACKAGING

APS-ME5 is available in 8 oz. samples and 441-lb drums.

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**I want to know more!**

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### TYPICAL PROPERTIES

Appearance:	Clear to Opaque Fluid
Solid Content:	27%
pH:	5.9
Specific Gravity:	1.00
Turbidity:	<200 NTU
Ionic Nature:	Nonionic
Silicone Fluid Viscosity:	8,000 cps

You may also be interested in . . .

- APS-337B

## APS-ME5

### Section I Product Identity

Product Name: APS-ME5  
 Chemical Name/Family: Silicone fluid microemulsion  
 CAS Registry: Mixture  
 24 Hour Emergency Number: 800-424-9300  
 24 Hour Chemtrec Number: 800-424-9300  
 All ingredients are listed in EPA's TSCA list of chemical substances

### Section II Hazardous Components/Composition Information

CHEMICAL :	CAS #:	USOS:	TWA:	STEL:	PERCENT:

### Section III Physical and Chemical Properties

Boiling Point: NA  
 Specific Gravity (H<sub>2</sub>O=1): 1.0  
 Vapor Pressure: Negligible  
 Vapor Density (Air=1): NA  
 Solid Content: 27  
 Evaporation Rate (BuAc=1): NA  
 Solubility in Water: Dispersible  
 Appearance and Odor: Clear to slightly opaque fluid

### Section IV Fire and Explosion Hazard Data

Flash Point (Method Used): >200°F (Closed Cup)  
 Flammable Limits in Air (% by Volume): ND  
 Extinguishing Media: Foam, Dry Chemical, CO<sub>2</sub>  
 Special Fire Fighting Procedures: Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.  
 Unusual Fire and Explosion Hazard: Combustion can produce carbon dioxide, carbon monoxide.

### Section V Reactivity Data

Stability: Stable  
 Conditions to Avoid: Store in a well ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing  
 Incompatibilities: Will hydrolyze with water, but no hazard. Avoid contact with strong oxidizing agents and acids.  
 Hazardous Decomposition or By Products: Combustion may produce CO<sub>2</sub>, CO and nitrous oxide  
 Hazardous Polymerization: May Not Occur

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## Section VI Health hazard Data

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Primary Routes of Entry	Inhalation: NO	Dermal: YES	Ingestion: YES
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity	No information available		
NTP: No	IARC Monograph: No	OSHA Regulated: No	

### Signs and Symptoms of Exposure:

Skin Contact	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. May cause severe irritation.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. May cause severe irritation.
Ingestion	Although ingestion is unlikely, liquid may irritate upper digestive tract if swallowed. May cause severe irritation.
Inhalation	May cause severe irritation.

### Medical Condition Generally Aggravated by Exposure

None known

### Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Seek medical attention.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

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## Section VII Precautions for Safe Handling and Use

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Steps to be Taken in Case the Material is Released or Spilled:

Turn off ignition sources. Soak up with sand, oil dry or other absorbent material.

Waste Disposal Method:

Dispose of according to State and Local regulations.

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## Section VIII Special Precautions

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Precautions to be Taken in Handling and Storage:

Store in a well-ventilated place at temperatures below 120 F. Keep container tightly closed. Keep from freezing. \*\*\* **Agitate contents of container before using** \*\*\*

**Section IX Control Measures**

Respiratory Protection		
Ventilation	Local exhaust	Recommended
	Mechanical	Adequate ventilation system
	Special	
	Other	
Eye Protection	Safety goggles should be worn	
Protective Gloves	Rubber or plastic gloves should be worn	
Protective Clothing	Rubber apron	
Other Protective Equipment	Eye wash equipment and safety shower should be available. NIOSH approved respirator as needed.	
Other Precautions	Wash hands after use.	

**Section X SARA Title III**

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #	Chemical Name	Percent by Weight

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

**Section XI Transportation Information**

SHIPPING INFORMATION

APS-ME5 is considered non-hazardous and is not regulated by DOT.

**Hazard Ratings**

Health	1
Flammability	0
Reactivity	0

Date Prepared ..... May 5, 2009  
 Prepared By ..... API  
 Date Revised ..... May 10, 2010  
 Revised By ..... API

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