



**ADVANCED POLYMER, INC.**

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## APS-216 EMULSION

APS-216 EMULSION is a 50% solids hydroxyl terminated silicone fluid emulsion. APS-216 EMULSION will cure to an elastomeric film upon evaporation of water. APS-216 EMULSION is can be used to impart slip and dust/dirt repellency to auto care products for rubber, plastic and vinyl. APS-216 EMULSION can also be effective in mold release compositions, and as a water repellent for concrete and masonry.

### CHARACTERISTICS

- Non-yellowing
- Produces flexible, elastomeric film
- Requires minimal agitation to form a stable emulsion
- Excellent slip, release and lubricity

### STORAGE

When stored in a sealed container at temperatures between 5°C and 40°C, APS-216 EMULSION has a prolonged shelf life

### PACKAGING

APS-216 EMULSION is available in 8 oz. samples and 440-lb. drums.

### TYPICAL PROPERTIES

Appearance:	Milky white emulsion
Solid Content (%):	50
Specific Gravity (@ 25°C):	0.98
Refractive Index (@ 25°C):	1.407
Flash Point (Closed Cup):	>300°C

### Advanced Polymer, Inc.

400 Paterson Plank Road  
Carlstadt, NJ 07072  
Tel: (201) 933-0600  
Fax: (201) 933-8442  
www.advpolymer.com

### I want to know more!

[technical@advpolymer.com](mailto:technical@advpolymer.com)

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Revised April 18, 2012

## APS-216 EMULSION

### Section I Product Identity

Product Name	APS-216 EMULSION
Chemical Name/Family	Polydimethylsiloxane emulsion
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:
None					

### Section III Physical and Chemical Properties

Boiling Point	100°C
Specific Gravity (H <sub>2</sub> O=1)	0.98
Vapor Pressure	ND
Vapor Density (Air=1)	NA
Percent Volatile by Weight	NA
Evaporation Rate (BuAc=1)	NA
Solubility in Water	Infinitely soluble
Appearance and Odor	Milky white emulsion

### Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	>300°C (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	None.

### Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Protect from freezing
Incompatibilities	Avoid contact with strong oxidizing agents and acids. Aluminum at high temperatures.
Hazardous Decomposition or By Products	Combustion may produce CO <sub>2</sub> or CO
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	This product does not contain any suspected human carcinogens.		
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.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Ingestion	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Inhalation	No information available.

### Medical Condition Generally Aggravated by Exposure

No information available

### 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. 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:

Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal Method:

Dispose of according to EPA, 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	Not required	
Ventilation	Local exhaust	Not required
	Mechanical	Not required
	Special	
	Other	None
Eye Protection	Safety glasses should be worn	
Protective Gloves	Rubber or plastic gloves should be worn	
Protective Clothing	Rubber apron	
Other Protective Equipment	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-216 EMULSION is classified non-hazardous and is not regulated by DOT.

**Hazard Ratings**

Health	1
Flammability	1
Reactivity	0

Date Prepared ..... July 15, 2005  
 Prepared By ..... API  
 Date Revised ..... November 16, 2011  
 Revised By ..... API

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