

## API-166ES

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### Section 1. Product and Company Identification

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Product Name:	API-166ES
Chemical Name/Family:	Modified Silicone Micro-Emulsion
CAS No.:	Mixture
Product Use:	Architectural Coatings
Restrictions:	For Industrial Use Only
Company:	Advanced Polymer, Inc.
Address:	400 Paterson Plank Road Carlstadt, NJ 07072 U.S.A.
Telephone:	201-933-0600
Fax:	201-933-8442
24 Hour Emergency Number	800-424-9300
24 Hour Chemtrec Number	800-424-9300

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### Section 2. Hazards Identification

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#### GHS Classification:

<b>Physical Hazards</b>	Not Classified
<b>Health Hazards</b>	
Eye Irritation	Category 2A
Skin Irritation	Category 3
Acute toxicity – Oral	Category 5
Specific target organ toxicity, single exposure; Respiratory tract irritation	Category 3
<b>Environmental Hazards</b>	Not Classified

#### GHS Label:

Symbol:



Signal Word:   **Warning**

#### Hazard Classification:

#### **Hazard Statement:**

Causes serious eye irritation  
Causes mild skin irritation  
May be harmful if swallowed  
May cause respiratory irritation

**Precautionary Statement:**

**Prevention**

- Wash hands and exposed skin thoroughly after handling.
- Wear eye protection/face protection.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.

**Response**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- If skin irritation occurs: Get medical advice/attention.
- Call a POISON CENTER/doctor/physician if you feel unwell.
- IF INHALED: Remove victim to fresh air and keep at rest in apposition comfortable for breathing.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/national/international regulations.

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**Section 3. Composition/Information on Ingredients**

Ingredients	CAS No.	Percent

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**Section 4. First Aid Measures**

- Skin Contact:** Immediately wash skin with soap and water. Wash contaminated clothing before reuse. Call a physician if irritation develops.
- Eye Contact:** First rinse eyes with water. Remove any contact lenses, and continue washing with running water for at least 15 minutes. Call for medical help.
- Inhalation:** Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician if symptoms persist.
- Ingestion:** Do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

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**Section 5. Firefighting Measures**

- Fire and Explosion Hazard:** Not any unusual fire or explosion hazards.
- Fire Extinguishing Media:** Foam, Dry Chemical, CO2
- Unsuitable Extinguishing Media:** No Information Available
- Specific Hazards in Case of Fire:** Combustion can produce oxides of carbon, nitrogen, silicone and slight trace of formaldehyde or hydrogen fluoride.
- Special Fire Fighting Information:** Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Evacuate personnel to a safe area. Cool endangered containers with water if it can be done safely.

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## Section 6. Accidental Release Measures

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<b>Personal Precautions:</b>	Wear appropriate personal protective equipment (See Section 8). Wash contaminated skin thoroughly. Evacuate personnel to safe areas. Avoid inhaling mists and vapours. Ensure adequate ventilation. Contaminated area will be slippery.
<b>Environmental Precautions:</b>	Avoid release to the environment.
<b>Methods and Materials for Containment and Cleaning up:</b>	Turn off ignition sources. Soak up with sand, oil dry or other absorbent material. Dispose in accordance with local/state/federal regulations.

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## Section 7. Handling and Storage

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<b>Handling Conditions:</b>	Agitate contents of container before using. Ensure adequate ventilation. Respiratory protection is only recommended where ventilation or engineering controls are unable to maintain exposures below recommended levels. <b>**Agitate contents of container before using**</b>
<b>Storage Conditions:</b>	Store in a well-ventilated place at temperatures below 120 F. Keep container tightly closed. Protect from direct sunlight. <b>*** WARNING - PROTECT FROM FREEZING***</b>  In the cold months, a freeze indicator is attached to this shipment (one indicator per pallet). If the bulb on the indicator is not clear, this shipment was exposed to temperatures below 32°F (0°C). Perishable if frozen. If product is exposed, product quality testing should be performed before accepting the shipment.

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## Section 8. Exposure Control/Personal Protection

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<b>Exposure Limits:</b>	No information available
<b>Appropriate engineering controls:</b>	Provide sufficient mechanical ventilation in order to capture mists and sprays in areas where the product may be heated or sprayed.
<b>Personal protective equipment:</b>	
Respiratory Protection:	If spraying or other operations which generate an aerosol mist occur, respiratory protection for exposed personnel is recommended. A NIOSH approved air purifying full-face respirator should be worn if any dusts, mists or vapors could occur.
Hand Protection:	Imperivous gloves should be worn.
Eye Protection:	Safety glasses with side shields.
Skin and Body Protection:	Appropriate clothing to prevent skin contact.
Other Protective Equipment:	No information available.
Hygiene Measures:	Wash hands and other exposed skin after use.

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## Section 9. Physical and Chemical Properties

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<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear to slightly opaque fluid
<b>Odor:</b>	Slight
<b>Odor Threshold:</b>	No information available
<b>% Non-volatile by Weight:</b>	25.0 – 28.0
<b>% VOC:</b>	<20 g/L

<b>pH:</b>	5.0 – 6.5
<b>Specific Gravity (77°F):</b>	1.00
<b>% Volatile by Weight:</b>	72.0 – 75.0
<b>Freezing Point:</b>	No information available
<b>Boiling point:</b>	~100°C (212°F)
<b>Flash Point:</b>	No information available
<b>Evaporation Rate (BuAc=1):</b>	No information available
<b>Flammability:</b>	No information available
<b>Explosion Limits:</b>	No information available
<b>Vapor Pressure (mmHg):</b>	Negligible
<b>Vapor Density (Air=1):</b>	No information available
<b>Solubility:</b>	Miscible
<b>Partition Coefficient:</b>	No information available
<b>Auto-ignition Temperature:</b>	N/A
<b>Viscosity:</b>	No information available
<b>Decomposition Temperature:</b>	No information available

## Section 10. Stability and Reactivity

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Cannot occur
<b>Conditions to Avoid:</b>	PROTECT FROM FREEZING.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidizing agents and acids.
<b>Hazardous Decomposition Products:</b>	Combustion can produce oxides of carbon, nitrogen, silicone and slight trace of formaldehyde or hydrogen fluoride.

## Section 11. Toxicological Information

### Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
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### Potential Health Effects:

Inhalation	Mist irritating to the respiratory tract irritation. Do not breathe aerosols.
Ingestion:	Although ingestion is unlikely, liquid may irritate upper digestive tract if swallowed. May be harmful if swallowed.
Skin:	Causes mild skin irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eyes:	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. May cause severe irritation.

**Signs and Symptoms of Exposures:** No information available

**Acute Toxicity:** No information available

**Chronic Toxicity:** No information available

**Respiratory or Skin Sensitization:** No information available

**Mutagenicity:** No information available

**Carcinogenicity:**

IARC:	No	NTP:	No	OSHA:	No
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## Section 12. Ecological Information

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<b>Ecotoxicity (Aquatic and Terrestrial):</b>	No information available
<b>Bioaccumulative Potential</b>	No information available
<b>Mobility in Soil:</b>	No information available
<b>PBT and vPvB Assessment:</b>	No information available
<b>Other Adverse Effects:</b>	No information available

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## Section 13. Disposal Considerations

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<b>Product:</b>	Dispose in accordance with EPA, state and local regulations.
<b>Disposing of Contaminated Packaging:</b>	Dispose of as unused product.

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## Section 14. Transport Information

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<b>Land Transport (DOT):</b>	Not Regulated
<b>Sea Transport (IMDG):</b>	Not Regulated
<b>Air Transport (IATA):</b>	Not Regulated
<b>Environmental Hazards (e.g., Marine pollutant):</b>	No Information Available

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## Section 15. Regulatory Information

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### International Inventories:

TSCA (USA):	Listed
DSL (Canada):	Listed
ENCS (Japan)	No Information Available
EINECS (Europe):	Listed
IECSC (China):	Listed
KECL (Korea):	No Information Available
PICCS (Philippines):	No Information Available
AICS (Australia):	No Information Available
ERMA (New Zealand):	No Information Available

### Federal Regulations:

SARA 313:	No Information Available
SARA 311/312:	No Information Available
Clean Water Act:	No Information Available
Clean Air Act, Section 112 HAPs (See 40CFR61):	No Information Available

### State Regulations:

Massachusetts Right to Know Components:	No Information Available
New Jersey Right to Know Components:	No Information Available
Pennsylvania Right to Know Components:	No Information Available
California Proposition 65:	None

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## Section 16. Other Information

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**WHMIS Classification:** No information available

**HMIS Rating:**

Health Hazard 1

Flammability: 0

Physical Hazard: 0

Personal Protection Equipment: X

**NFPA Rating**

Health Hazard: 1

Fire Hazard: 0

Reactivity Hazard: 0

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