



**ADVANCED POLYMER, INC.**

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## API-298

API-298 is low VOC, hydrophobic, durable, waterborne nanopolymer emulsion that imparts highly effective stain, oil, chemical, graffiti, weather and UV resistance to a range of substrates including leather, textiles, non-wovens and paper.

### FEATURES

- Outstanding water resistance.
- Excellent grease, oil and food stain resistance.
- Clear coating, which can be pigmented.
- Very tough, high tensile strength coating.
- Good wet strength and stiff hand.
- Very good heat and light aging characteristics.
- Permanent, non-sacrificial anti-graffiti coating.

### FORMULATION & APPLICATION

Component	Concentration (wt%)
API-298	50%
Water	46%
Butyl Carbitol	4%

- Add the butyl carbitol to water and then add the API-298. Mix until uniform.
- One gallon of formulated API-298 will cover 50 sq. ft. to 200 sq. ft. depending on surface texture and porosity.
- Always test each type of surface for appearance and penetration before overall application.
- Surface to be treated must be clean and dry prior to application.
- Do not apply in direct sunlight or on a hot surface. The temperature of the surface should be 50°F - 85°F at time of application.
- Dries/cures in less than 24 hours.

### TYPICAL PROPERTIES

Appearance:	White Liquid
Solid Content:	36 - 38%
pH:	7.0-8.0
Specific Gravity (25°C):	1.04

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**Note:** As supplied, API-298 produces a high gloss finish. Gloss can be adjusted as needed. If you require a different gloss level, please contact our [technical department](#).

### PACKAGING

API-298 is available in 8 oz. samples and 441 lb drums

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#### I want to know more!

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

You may also be  
interested in . . .

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Revised July 19, 2010

## API-298

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### Section 1 - Product Identity

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Product Name: API-298  
Chemical Name/Family: Emulsion  
Product Use: Mixture  
24 Hour Emergency Number: 800-424-9300  
24 Hour Chemtrec Number: 800-424-9300

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### Section 2 - Composition/Information on Ingredients

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CHEMICAL	CAS #	TWA	STEL	Ceiling	Percent
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OSHA Hazardous Component (29CFR1910.1200): None

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### Section 3 - Hazard Identification

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Emergency Overview: The health hazard of this product should be low under normal industrial and commercial uses.

Color: Milky white

Physical State: Liquid

Odor: Mild odor

Primary Routes of Entry: Inhalation: No      Dermal: Yes      Ingestion: Yes

Potential Health Effects:

Skin: Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.

Eye: 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: Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headache, dizziness, nausea, loss of coordination, drowsiness and loss of consciousness.

Medical Condition Generally Aggravated by Exposure: No information available.

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### Section 4 - First Aid Measures

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Skin Contact: Wash with soap and water. Wash contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

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 5 - Fire-Fighting Measures

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Flash Point (method used):	>200°F
Flammable Limits in Air (% by Volume):	N.D.
Fire & Explosion Hazard:	Heating above 200°C or in fire conditions toxic decomposition products may be formed. Material can splatter above 100°C. Polymer film can burn.
Extinguishing Media:	Water spray , foam, dry chemical CO2.
Special Fire Fighting Procedures:	Avoid breathing smoke, fumes and decomposition products. Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
Unusual Fire and Explosion Hazard:	None
Hazardous Decomposition Products:	Combustion may produce CO2 or CO

### HAZARD CLASSIFICATION

Health Hazard:	1
Flammability:	1
Reactivity:	1

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## Section 6 - Accidental Release Measures

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Methods for Cleaning Up:	Soak up with sawdust, sand, oil dry or other absorbent material.
Environmental Precautions:	No information available.
Personal Precautions:	Wash hands thoroughly after use.

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## Section 7 - Handling & Storage

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Handling Conditions:	Agitate before use. Avoid temperatures above 200°C. Monomer vapors can be evolved when material is heated during processing operations
Storage Conditions:	Store at temperatures between 40°F (4.4°C) to 90°F (32.2°C). Store in a tightly closed container. Store in a well ventilated area. Store away from oxidizing agents, sources of heat, direct sunlight or rain. No smoking in area of storage. <b>***Protect from freezing. Agitate using a low shear mixer prior to use.***</b>

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## Section 8 - Exposure Controls/Personal Protection

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Engineering Controls:	
Ventilation:	Local exhaust ventilation may be necessary to control any air contaminants to within their TLV during the use of this product.
Respiratory Protection:	When there is potential for airborne exposure in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.
Eye Protection:	Safety goggles should be worn
Skin Protection:	Rubber or plastic gloves; Rubber apron
Other Protective Equipment:	Eyewash and safety shower
Work Hygienic Measures:	Wash hands thoroughly after handling.
Exposure Guidelines:	No information available.

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## Section 9 - Physical and Chemical Properties

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Boiling Point:	100°C
pH	~7
Specific Gravity (H <sub>2</sub> O=1):	1.01
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Percent Volatile by Weight:	~63
Evaporation Rate (BuAc=1):	N/A
Solubility in Water:	Disperses readily using mixer
Appearance and Odor:	Milky white liquid with mild odor.

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## Section 10 - Stability and Reactivity

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Stability:	Stable: Yes	Unstable:
Condition to Avoid:	Store in a well ventilated place at temperatures below 90°F. Keep container tightly closed. Keep from freezing.	
Incompatibilities	Avoid contact with strong oxidizing agents and acids.	
Hazardous Decomposition or By-Products:	Combustion may produce CO <sub>2</sub> or CO	
Hazardous Polymerization:	May Occur:	May Not Occur: Yes

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## Section 11 - Toxicological Information

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Acute Toxicity:	No information available		
Chronic Toxicity:	No information available		
Sensitization:	No information available		
Mutagen Effects:	No information available		
Carcinogenicity:			
NTP:	No	IARC Monograph:	No
		OSHA Regulated:	No

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## Section 12 - Ecological Information

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Ecotoxicity Persistence and Degradability:	No information available
Bio-accumulative Potential:	No information available

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## Section 13 - Disposal Considerations

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Waste Disposal Method:	As in accordance with EPA and local regulations.
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## Section 14 - Transport Information

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Land Transport (DOT, ADR, RID):	Not regulated.
Sea Transport (IMDG):	Not regulated.
Air Transport (ICAO, IATA):	Not regulated.

## Section 15 – Regulatory Information

### International Inventories

TSCA (USA)	Listed
DSL (Canada)	No data available.
EINECS (Europe)	No data available.
ENCS (Japan)	No data available.
IECSC (China)	No data available.
KECL (Korea)	No data available.
PICCS (Philippines)	No data available.
AICS (Australia)	No data available.
ERMA (New Zealand)	No data available.

### Federal Regulations

SARA 313	No data available.
SARA 311/312	No data available.
Clean Water Act	No data available.
Clean Air Act, Section 112 HAPs (see 40CFR61)	No data available.

### State Regulations

**California Proposition 65:** This product contains the following Proposition 65 chemicals

<u>Chemical Name</u>	<u>CAS#</u>	<u>Percent</u>
No data available.		

## Section 16 - Other Information

None available

Date Prepared .....July 19, 2010

Prepared By .....API

Date Revised .....

Revised By .....

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