



ADVANCED POLYMER, INC.

GET THE API ADVANTAGE . . .

APW-315

APW-315 is an emulsion of pure carnauba wax designed to provide excellent surface protection and good mar resistance without lowering gloss. APW-315 can be applied to a variety of substrates including leather, wood, metal, fabric, and painted surfaces.

CHARACTERISTICS

- Produces high gloss, reduces staining, and improves cleanability of the treated surface.
- Can be incorporated into car/furniture polish formulations.
- Will form a long lasting, hard protective coating after buffing.
- Contains 20% Ethylene Glycol.

TYPICAL FORMULATIONS & APPLICATION

LIQUID CAR WAX	
Component	Amount (wt%)
Emulsified Mineral Seal Oil	15.9%
Wetting Aid	1.6%
APW-315	15.0%
Water	67.5%

- Produce an emulsion of the Mineral Seal Oil.
- Add wetting aid followed by APW-315.
- For application dilute the wax 1:10 with water. Use approximately 6 to 8 oz. of the wax dilution per application.

TYPICAL PROPERTIES

Appearance:	Translucent Black Liquid
Solid Content:	15
Base Carnauba Wax:	#3
Ionic Nature:	Cationic
Specific Gravity (@ 25°C):	1.03

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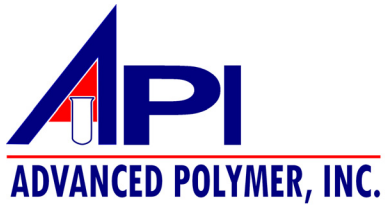
FORMULATION & APPLICATION continued

Automotive Wash/Wax	
Component	Amount (wt%)
APS-448	8
Ammonium or Sodium Lauryl Sulfate	15
APW-315	2
Water	75
<ul style="list-style-type: none"> • Mix together using a modest amount of agitation • Wash the automobile with the above mixture • Rinse and towel dry <p>The surface of the automobile will be clean and dust resistant with a high luster shine.</p>	

WATER BASED PASTE WAX				
The function of the aminosilicone (APS-328 Gel) is to provide shine, leveling, water repellency and durability.				
Component	Function	Amount (wt%)	Supplier	Phone
APS-328 Gel	Amino Silicone	5%	API	(201) 933-0600
APW-315	Wax	12%	API	(201) 933-0600
Armac HT	Clay	2%	Armac Industries	(888) 277-9636
Carbopol 981 or Acrysol ASE 60	Thickener	2%	Noveon Rohm & Haas	(216) 447-5000 (800) 874-6917
Water		79%		
Use either Carbopol 981 or Acrysol ASE 60, or a comparable thickener. API recommends thickening the water with an alkali prior to the addition of the remaining ingredients.				

◆ **PROTECTIVE COATING**

A dilution of APW-315 may be used in a dip-bath or sprayed onto substrate. A thin coating of wax will instantly adhere to the surface. This coating will provide increased gloss, reduces staining, and improves the cleanability of the treated surface.



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STORAGE

APW-315 is sensitive to low temperatures. Store at temperatures above 45°F.

PACKAGING

APW-315 is available in 8 oz. samples and 450 lb drum.

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I want to know more!

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interested in . . .

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- [APW-318](#)
- [APW-319](#)

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Revised September 3, 2009

APW-315

Section I Product Identity

Product Name	APW-315
Chemical Name/Family	Carnauba Wax Emulsion
CAS Registry #	Mixture
24 Hour Emergency Number	800-424-9300
24 Hour Chemtree Number	800-424-9300
All ingredients are listed in EPA's TSCA list of chemical substances	

Section II Hazardous Components/Composition Information

CHEMICAL	CAS #	OSHA PEL	ACGIH TLV	STEL	PERCENT
Ethylene Glycol	107-21-1	50 ppm	50 ppm ceiling value		20%
Aliphatic Amine Derivatives					5%

Section III Physical and Chemical Properties

Boiling Point	>220°F	Specific Gravity (H ₂ O=1)	1.03
Vapor Pressure	15.0B @ 70°F	Vapor Density (Air=1)	ND
Percent Volatile By Volume	ND	Evaporation Rate (BuAc=1)	ND
Solubility in Water	Soluble		
Appearance and Odor	Dark liquid, pungent odor		

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	>210°F
Flammable Limits in Air (% By Volume)	ND
Extinguishing Media	Alcohol type foam, universal foam, dry chemical or water spray.
Special Fire Fighting Procedures	In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazard	Empty containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity as they may explode.

Section V Reactivity Data

Stability	Stable	X	Unstable	
Conditions to Avoid	Keep container closed when not in use. Keep away from heat.			
Incompatibilities	Strong oxidizing or reducing agents.			
Hazardous Decomposition or By Products	May produce ammonia, polyamine and volatile hydrocarbons.			
Hazardous Polymerization	May Occur		May Not Occur	X

Section VI Health Hazard Data						
Primary Routes of Entry	Inhalation	Yes	Dermal	Yes	Ingestion	Yes
Acute Health Hazard	Eye and skin irritant.					
Chronic Health Hazard	Repeated high dose exposure to ethylene glycol by ingestion has caused kidney, brain damage and degeneration of the liver and changes in blood chemistry and circulating blood cells in laboratory animals..					
Carcinogenicity	No information available.					
NTP	No	IARC Monograph	No	OSHA Regulated	Yes	
Signs and Symptoms of Exposure						
Skin Contact	Absorption may produce hemolytic anemia and kidney damage evidenced by paleness and possibly red coloration of the urine.					
Eye Contact	Irritation, but does not injure eye tissue.					
Ingestion	May cause irritation.					
Inhalation	May cause irritation.					
Medical Condition Generally Aggravated by Exposure: None known.						
Emergency First Aid Procedures						
Eyes	Flush with large amounts of water for at least 15 minutes, seek medical attention.					
Skin	Wash exposed area with soap and water. If irritation persists, seek medical attention.					
Ingestion	First aid is normally not required.					
Inhalation	Get to a well-ventilated area. Call for prompt medical attention.					

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled: Extinguish all ignition sources. Ventilate. Cover spills with inert absorbent, sweep up and place in waste disposal container.
Waste Disposal Method: Dispose of according to State and Local regulations.

Section VIII Special Precautions

Storage Conditions: Store at temperatures between 45°F (7.2°C) to 110°F (43.3°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. Agitate contents of container before using.
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Section IX Control Measures

Respiratory Protection				
Ventilation	Local exhaust	Recommended		
	Mechanical	General		
	Special	NIOSH approved respirator.	Other	None
Eye Protection		Safety goggles should be worn.		
Protective Gloves		Rubber gloves.		
Protective Clothing		Rubber apron.		
Other Protective Equipment		NIOSH approved respirator.		
Other Precautions		Eyewash station should be available.		

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
107-21-1	Ethylene Glycol	20

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

Section XI Transportation Information

SHIPPING INFORMATION:

DOT Proper Shipping Name: Not Regulated

Hot Hazard: No

Combustible Class: No

International proper Shipping Name: Not Regulated

AIR (I.C.A.O.) Proper Shipping Name: Not Regulated

Hazard Ratings

Health	2
Flammability	1
Reactivity	0

Date Prepared	March 05, 2005
Prepared By	API
Date Revised	September 3, 2009
Revised By	API

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