



ADVANCED POLYMER, INC.

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APS-328

APS-328 is a reactive amine/alkoxy functional fluid that contains primary and secondary amine functionality. APS-328 may be diluted in a suitable solvent or emulsified to be used as a finish for architectural, textile or leather applications. Due to its unique functionality APS-328 will provide superior water repellency.

APPLICATION

Soluble In:	Insoluble In:
Anhydrous Odorless Mineral Spirits	Ethylene Glycol
Hexane	Propylene Glycol
Heptane	Glycerin
Isopropyl Alcohol	Water

PACKAGING

APS-328 is available in 8 oz. samples and 441-lb. drums.

TYPICAL PROPERTIES

Appearance:	Clear Fluid
Typical Analysis:	100% Silicone
Specific Gravity:	0.98
Viscosity:	750 cs
Amine Equivalent:	3800 g/mol
Refractive Index:	1.407

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- APS-222
- AP-0280

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Revised November 30, 2009

APS-328

Section I Product Identity

Product Name: APS-328
Chemical Name/Family: Reactive amino modified silicone fluid
CAS Registry:
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	Amino functional silicone		
CAS #:	OSHA PEL (TWA):	ACGIH TLV:	PERCENT: 100

Section III Physical and Chemical Properties

Boiling Point	N.A.
Specific Gravity (H ₂ O=1)	0.98
Vapor Pressure	Neg.
Vapor Density (Air=1)	N.A.
Percent Volatile By Weight	N.A.
Evaporation Rate (BuAc=1)	Neg.
Solubility in Water	Insoluble
Appearance and Odor	Colorless transparent liquid with slight amine odor.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	201.2°F minimum (Open Cup)
Flammable Limits in Air (% By Volume)	N.D.
Extinguishing Media	Foam, Dry Chemical, CO ₂ .
Special Fire Fighting Procedures:	Evacuate personnel to a safe area. A self-contained breathing apparatus and protective clothing must be worn in fighting fires involving chemicals.
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. Keep from freezing
Incompatibilities	Avoid contact with strong oxidizing agents and acids. Aluminum at high temperatures.
Hazardous Decomposition or By Products	Combustion may produce CO ₂ , CO and nitrous oxides.
Hazardous Polymerization	May Not Occur

Section VI Health Hazard Data

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.
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 with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Do not 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.

Section VII Precautions for Safe Handling and Use

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:

As in accordance with EPA and local regulations.

Section VIII Special Precautions

Storage Conditions:

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	Not required
	Mechanical	
	Special	
	Other	

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 thoroughly after handling material

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-328 is not regulated by DOT

Hazard Ratings

Health 1

Flammability 1

Reactivity 0

Date Prepared October 18, 2005

Prepared By API

Date Revised November 30, 2009

Revised By API

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