

## APS – 704

### Section 1. Product and Company Identification

Product Name:	<b>APS – 704</b>
Chemical Name/Family:	Phenyl-modified polydimethyl siloxane
CAS No.:	68083-14-7
Product Use:	Silicone additive for cosmetics
Restrictions:	For Industrial Use Only
Company:	Advanced Polymer.
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

### Section 2. Hazards Identification

#### GHS Classification:

Eye Damage/Irritation	Not classified
Skin Corrosion/Irritation	Not classified
Acute Toxicity	Not classified
Respiratory Sensitization	Not classified
Skin Sensitization	Not classified

#### GHS Label:

**Symbol:** None

**Signal Word:** None

#### Hazard Classification:

**Hazard Statement:** None

**Precautionary Statement:** None

**Other Hazards:** None known.

### Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Phenyl-modified polydimethyl siloxane	68083-14-7	100
There are no components contained in this material at concentrations above 1% that are considered hazardous under 29CFR1910.1200.		

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## Section 4. First Aid Measures

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<b>Skin Contact:</b>	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water. Seek medical attention.
<b>Inhalation:</b>	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.
<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

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## Section 5. Firefighting Measures

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<b>Fire and Explosion Hazard:</b>	No Information Available
<b>Fire Extinguishing Media:</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media:</b>	Do not use solid water stream as it may scatter and spread fire.
<b>Hazardous Combustion Products:</b>	Combustion may produce Carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde.
<b>Special Fire Fighting Information:</b>	Evacuate personnel to a safe area. Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

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## Section 6. Accidental Release Measures

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<b>Personal Precautions:</b>	Eliminate sources of ignition.
<b>Protective Equipment:</b>	Wear appropriate personal protective equipment
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>Methods and Materials for Containment and Cleaning up:</b>	<b>Large Spills:</b> Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. <b>Small Spills:</b> Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

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## Section 7. Handling and Storage

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<b>Handling Conditions:</b>	Provide adequate ventilation. Use care in handling/storage. **Agitate contents of container before using**
<b>Storage Conditions:</b>	Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep in original container.

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## Section 8. Exposure Control/Personal Protection

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<b>Exposure Limits:</b>	No exposure limits noted for ingredients.
<b>Appropriate engineering controls:</b>	Provide adequate general and local exhaust ventilation.
<b>Personal protective equipment:</b>	
Respiratory Protection:	No personal respiratory protective equipment normally required. If ventilation is insufficient when heating use chemical respirator with organic vapor cartridge.

Hand Protection:	Wear protective gloves.
Eye Protection:	Safety glasses/goggles should be worn
Skin and Body Protection:	Rubber apron
Other Protective Equipment:	Eye wash equipment and safety shower.
Hygiene Measures:	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. This product can generate formaldehyde at approximately 150 °C (300 °F) and above in the presence of air. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. So, use adequate ventilation or wear protective equipment such as gloves, goggles, organic vapor respirator or protective clothing when this product is heated at approximately 150 °C (300 °F) and above in the presence of air.

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## Section 9. Physical and Chemical Properties

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<b>Physical State:</b>	Liquid
<b>Color:</b>	Transparent, Colorless
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	N/A
<b>% Non-volatile by Weight:</b>	>99
<b>pH:</b>	N/A
<b>Specific Gravity (77°F):</b>	1.07
<b>% Volatile by Weight:</b>	< 1.0
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A
<b>Boiling point:</b>	N/A
<b>Flash Point:</b>	> 201.2 °F (> 94 °C) Closed Cup > 572 °F (> 300 °C) Open Cup
<b>Evaporation Rate (BuAc=1):</b>	Negligible
<b>Flammability:</b>	N/A
<b>Explosion Limits:</b>	N/A
<b>Vapor Pressure (mmHg):</b>	Negligible (77°F)
<b>Vapor Density (Air=1):</b>	N/A
<b>Solubility:</b>	Not soluble in water
<b>Partition Coefficient:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A
<b>Decomposition Temperature:</b>	N/A

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## Section 10. Stability and Reactivity

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<b>Chemical Stability:</b>	Stable at normal conditions.
<b>Hazardous Polymerization:</b>	May Not Occur
<b>Conditions to Avoid:</b>	Not available
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	Thermal breakdown of this product during fire or very high heat

condition may evolve the following hazardous decomposition product:  
Carbon oxides and traces of incompletely burned carbon compounds.  
Silicon dioxide. Formaldehyde

## Section 11. Toxicological Information

### Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	No	Ingestion:	Yes
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### Potential Health Effects:

Inhalation	No significant effects are expected.
Ingestion:	No significant effects are expected.
Skin:	No significant effects are expected.
Eyes:	No significant effects are expected.

### Signs and Symptoms of Exposures:

<b>Acute Toxicity:</b>	LD50 (oral-rat) = >5,000 mg/kg
<b>Serious eye damage/eye irritation:</b>	EYE-RABBIT :Minimal irritant
<b>Chronic Toxicity:</b>	No information available
<b>Skin corrosion/irritation:</b>	Patch Test (24Hr/Open) : Almost negative SKIN-RABBIT : No skin irritation (P.I.=0.28)
<b>Respiratory Sensitization:</b>	Not available
<b>Skin Sensitization:</b>	No skin sensitizing (guinea pigs)
<b>Mutagenicity:</b>	No information available
<b>Further information:</b>	This product can generate formaldehyde at approximately 150 °C (300 °F) and above in the presence of air. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. So, use adequate ventilation or wear protective equipment such as gloves, goggles, organic vapor respirator or protective clothing when this product is heated at approximately 150 °C (300 °F) and above in the presence of air.

**Carcinogenicity:** No information available

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

<b>Ecotoxicity (Aquatic and Terrestrial):</b>	No ecotoxicity data noted for the ingredient(s).
<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

## Section 13. Disposal Considerations

<b>Product:</b>	Dispose of according to State, Local and EPA regulations.
<b>Disposing of Contaminated Packaging:</b>	Dispose as unopened product.

## Section 14. Transport Information

<b>Land Transport (DOT):</b>	<b>Not Regulated</b>
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
<b>Sea Transport (IMDG):</b>	<b>Not Regulated</b>
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
<b>Air Transport (IATA):</b>	<b>Not Regulated</b>
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
<b>Environmental Hazards (e.g., Marine pollutant):</b>	No information available

## Section 15. Regulatory Information

<b>International Inventories:</b>	
TSCA (USA):	Yes
DSL (Canada):	Yes
ENCS (Japan)	Yes
EINECS (Europe):	Yes
IECSC (China):	Yes
KECL (Korea):	Yes
PICCS (Philippines):	Yes
AICS (Australia):	Yes
ERMA (New Zealand):	Yes
<b>Federal Regulations:</b>	
SARA 313:	N/A
SARA 311/312:	N/A
Clean Water Act:	N/A
Clean Air Act, Section 112 HAPs (See 40CFR61):	N/A
<b>State Regulations:</b>	
Massachusetts Right to Know Components:	Not Regulated
New Jersey Right to Know Components:	Not Listed
Pennsylvania Right to Know Components:	Not Listed
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 0

Flammability: 0

Physical Hazard: 0

Personal Protection Equipment: X

**NFPA Rating**

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

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Date Prepared ..... May 31, 2015

Prepared By ..... Advanced Polymer.

Date Revised ..... June 15, 2021

Revised By ..... Advanced Polymer.

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