

APS-230

Section 1. Product and Company Identification

Product Name: APS-230
 Chemical Name/Family: Modified silicone fluid
 CAS No.: Proprietary
 Product Use: Various
 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:

Physical Hazards	Not classified
Health Hazards	Not classified
Environmental Hazards	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
Polydimethylsiloxane	Proprietary	100.0
There are no components contained in this material at concentrations above 1% that are considered hazardous under 29CFR1910.1200.		

Section 4. First Aid Measures

Skin Contact:	Wash skin with soap and water. Wash contaminated clothing before reuse.
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Inhalation:	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion:	Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Firefighting Measures

Fire and Explosion Hazard:	By heating and fire, harmful vapors/gases may be formed.
Fire Extinguishing Media:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media:	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products:	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.
Special Fire Fighting Information:	Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus. Move containers from fire area if you can do so without risk.

Section 6. Accidental Release Measures

Personal Precautions:	Eliminate sources of ignition.
Protective Equipment:	Wear appropriate personal protective equipment.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods and Materials for Containment and Cleaning up:	Large Spills: 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. Small Spills: 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.

Section 7. Handling and Storage

Handling Conditions:	Provide adequate ventilation. Use care in handling/storage. Do not breathe mist or vapor. *** Agitate contents of container before using ***
Storage Conditions:	Store at temperatures between 40°F (4.4°C) to 110°F (43.3°C). Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep out of reach of children.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No exposure limits noted for ingredient(s).
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Appropriate engineering controls: Provide adequate general and local exhaust ventilation.

Personal protective equipment:

Respiratory Protection:	If ventilation is insufficient when heating use chemical respirator with organic vapor cartridge.
Hand Protection:	Wear protective gloves.
Eye Protection:	Appropriate safety glasses.
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.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear/Transparent
Odor:	Odorless
Odor Threshold:	N/A
% Non-volatile by Weight:	100
pH:	N/A
Specific Gravity (77°F):	0.97
% Volatile by Weight:	<0.5%
Melting Point:	N/A
Freezing Point:	N/A
Boiling point:	N/A
Flash Point:	> 201.2 °F (> 94 °C) Closed Cup > 572 °F (> 300 °C) Open Cup
Evaporation Rate (BuAc=1):	Negligible
Flammability:	N/A
Explosion Limits:	N/A
Vapor Pressure (mmHg):	Negligible
Vapor Density (Air=1):	N/A
Solubility:	Not soluble in water
Partition Coefficient:	N/A
Auto-ignition Temperature:	ca.400°C (752°F)
Viscosity (25°C):	3,000 cstk
Decomposition Temperature:	N/A

Section 10. Stability and Reactivity

Chemical Stability: Stable at normal conditions.

Hazardous Polymerization:	May not occur
Conditions to Avoid:	None known
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	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:	No	Skin:	No	Inhalation:	No	Ingestion:	No
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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:

Acute Toxicity:	No Information Available
Chronic Toxicity:	No significant effects were observed.
Respiratory Sensitization:	No Information Available
Skin Sensitization:	No Information Available
Germ Cell Mutagenicity:	No Information Available

Carcinogenicity:

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

Ecotoxicity (Aquatic and Terrestrial):	No ecotoxicity data noted for the ingredient(s).
Bioaccumulative Potential	No bioaccumulation (Estimated by similar product).
Mobility in Soil:	No Information Available
PBT and vPvB Assessment:	No Information Available
Other Adverse Effects:	No Information Available

Section 13. Disposal Considerations

Product:	Follow applicable Federal, State and Local regulations.
Disposing of Contaminated Packaging:	Dispose as unopened product.

Section 14. Transport Information

Land Transport (DOT):	Not Regulated
Sea Transport (IMDG):	Not Regulated
Air Transport (IATA):	Not Regulated
Environmental Hazards (e.g., Marine pollutant):	None

Section 15. Regulatory Information

International Inventories:

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

Federal Regulations:

SARA 313:	None
SARA 311/312:	None
Clean Water Act:	None
Clean Air Act, Section 112 HAPs (See 40CFR61):	None

State Regulations:

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

Section 16. Other Information

WHMIS Classification: No information available

HMIS Rating:

Health Hazard	1
Flammability:	1
Physical Hazard:	0
Personal Protection Equipment:	X

NFPA Rating

Health Hazard:	1
Fire Hazard:	1
Reactivity Hazard:	0

Date Prepared May 26, 2015

Prepared By Advanced Polymer.

Date Revised June 15, 2021

Revised By Advanced Polymer.

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