

APS – ME355

Section 1. Product and Company Identification

Product Name:	APS – ME355
Chemical Name/Family:	Silicone Micro-Emulsion
CAS No.:	Mixture
Product Use:	Automotive
Restrictions:	For Industrial Use Only
Company:	Advanced Polymer, Inc.
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:

Hazard Class	Category
Acute toxicity, oral	Category 5
Serious eye damage/eye irritation	Category 1
Reproductive toxicity	Category 2

GHS Label:**Symbol:****Signal Word:** **Danger****Hazard Classification:****Hazard Statement:**

- May be harmful if swallowed
- Causes serious eye damage
- Suspected of damaging fertility or the unborn child

Precautionary Statement:**Prevention**

- Wash hands and exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Obtain, read and follow all special instructions before use.

Response

IF SWALLOWED: Get medical help.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical help.

IF exposed or concerned: Get medical advice.

Storage

Store locked-up.

Disposal

Dispose of contents/container in accordance with local/national/international regulations.

Other Hazards:

None known.

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Amino modified polysiloxane	Trade Secret	20
Emulsifier	Trade Secret	6-10
Acetic Acid	64-19-7	<0.5
Water	7732-18-5	70 - 74

Section 4. First Aid Measures

Skin Contact: Immediately wash skin with soap and water. Wash contaminated clothing before reuse. Call a physician if irritation develops.

Eye Contact: First rinse eyes with water. Remove any contact lenses, and continue washing with running water for at least 15 minutes. Call for medical help.

Inhalation: Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician if symptoms persist.

Ingestion: Do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Section 5. Firefighting Measures

Specific Hazards in Case of Fire: Not any unusual fire or exposure hazards. Combustion can produce carbon dioxide, carbon monoxide.

Fire Extinguishing Media: Foam, Dry Chemical, CO2

Unsuitable Extinguishing Media: No Information Available

Special Protective Equipment and Precaution for Firefighters: Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Evacuate personnel to a safe area. Cool endangered containers with water if it can be done safely.

Unusual Fire & Explosion Hazards: No Information Available

Section 6. Accidental Release Measures

Personal Precautions:	Wear appropriate personal protective equipment (See Section 8). Wash contaminated skin thoroughly. Evacuate personnel to safe areas. Avoid inhaling mists and vapours. Ensure adequate ventilation. Contaminated area will be slippery.
Environmental Precautions:	Avoid release to the environment.
Methods and Materials for Containment and Cleaning up:	Turn off ignition sources. Soak up with sand, oil dry or other absorbent material. Dispose in accordance with local/state/federal regulations.

Section 7. Handling and Storage

Handling Conditions:	Ensure adequate ventilation. Respiratory protection is only recommended where ventilation or engineering controls are unable to maintain exposures below recommended levels. ***Agitate contents of container before using***
Storage Conditions:	Store in a well-ventilated area above 32°F (>0°C) preferably to 40°F – 104°F (4°C – 40°C). Store in a dry, cool place. Keep container tightly closed when not in use. *** WARNING - PROTECT FROM FREEZING*** In the cold months, a freeze indicator is attached to this shipment (one indicator per pallet). If the bulb on the indicator is not clear, this shipment was exposed to temperatures below 32°F (0°C) that may have caused the material to freeze. If product is exposed, product quality testing should be performed before accepting the shipment. Perishable if frozen.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No information available
Appropriate engineering controls:	Provide sufficient mechanical ventilation in order to capture mists and sprays in areas where the product may be heated or sprayed.
Personal protective equipment:	
Respiratory Protection:	If spraying or other operations which generate an aerosol mist occur, respiratory protection for exposed personnel is recommended. A NIOSH approved air purifying full-face respirator should be worn if any dusts, mists or vapors could occur.
Hand Protection:	Imperivous gloves should be worn.
Eye Protection:	Safety glasses with side shields.
Skin and Body Protection:	Appropriate clothing to prevent skin contact.
Other Protective Equipment:	No information available.
Hygiene Measures:	Wash hands and other exposed skin after use.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear to slightly opaque fluid
Odor:	Slight
Odor Threshold:	No information available
% Non-volatile by Weight:	25.5 – 28.5

% VOC:	<0.5
pH:	4.5 – 6.5
Specific Gravity (77°F):	1.00
% Volatile by Weight:	71.5 – 74.5
Freezing Point:	No information available
Boiling point:	~100°C (212°F)
Flash Point:	No information available
Evaporation Rate (BuAc=1):	No information available
Flammability:	No information available
Explosion Limits:	No information available
Vapor Pressure (mmHg):	Negligible
Vapor Density (Air=1):	No information available
Solubility:	Miscible
Partition Coefficient:	No information available
Auto-ignition Temperature:	N/A
Viscosity:	No information available
Decomposition Temperature:	No information available

Section 10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous Polymerization:	Cannot occur
Conditions to Avoid:	PROTECT FROM FREEZING.
Incompatible Materials:	Avoid contact with strong oxidizing agents and acids.
Hazardous Decomposition Products:	Combustion may produce oxides of carbon and silicone or slight traces of formaldehyde.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
------	-----	-------	-----	-------------	-----	------------	-----

Potential Health Effects:

Inhalation	Mist irritating to the respiratory tract irritation. Do not breathe aerosols.
Ingestion:	Although ingestion is unlikely, liquid may irritate upper digestive tract if swallowed. May be harmful if swallowed.
Skin:	Causes mild skin irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eyes:	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. May cause severe irritation.

Signs and Symptoms of Exposures:	No information available
Acute Toxicity:	No information available
Chronic Toxicity:	No information available
Respiratory or Skin Sensitization:	No information available
Mutagenicity:	No information available
Carcinogenicity:	No information available

IARC:	No	NTP:	No	OSHA:	No
-------	----	------	----	-------	----

Section 12. Ecological Information

Ecotoxicity (Aquatic and Terrestrial):	No information available
Bioaccumulative Potential	No information available
Mobility in Soil:	No information available
PBT and vPvB Assessment:	No information available
Other Adverse Effects:	No information available

Section 13. Disposal Considerations

Product:	Dispose in accordance with EPA, state and local regulations.
Disposing of Contaminated Packaging:	Dispose of as unused product.

Section 14. Transport Information

Land Transport (DOT):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Sea Transport (IMDG):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Air Transport (IATA):	Not Regulated
UN Number:	Not Applicable
UN Proper Shipping Name:	Not Applicable
Transport Hazard Class:	Not Applicable
Packing Group:	Not Applicable
Environmental Hazards (e.g., Marine pollutant):	None

Section 15. Regulatory Information

International Inventories:	
TSCA (USA):	Listed
DSL (Canada):	Listed
ENCS (Japan)	Listed
EINECS (Europe)	Not Listed
REACH (Europe):	Pre-Registered
IECSC (China):	Listed
KECL (Korea):	Listed
PICCS (Philippines):	Listed
AICS (Australia):	Listed

ERMA (New Zealand): Listed

Federal Regulations:

SARA 313: No Information Available

SARA 311/312: No Information Available

Clean Water Act: No Information Available

Clean Air Act, Section 112 HAPs (See 40CFR61): No Information Available

State Regulations:

Massachusetts Right to Know Components: No Information Available

New Jersey Right to Know Components: No Information Available

Pennsylvania Right to Know Components: No Information Available

California Proposition 65: None

Section 16. Other Information

WHMIS Classification: No information available

HMIS Rating:

Health Hazard 2

Flammability: 1

Physical Hazard: 0

Personal Protection Equipment: X

NFPA Rating

Health Hazard: 2

Fire Hazard: 1

Reactivity Hazard: 0

Date Prepared May 31, 2015

Prepared By Advanced Polymer, Inc.

Date Revised January 13, 2022

Revised By Advanced Polymer, Inc.

THE INFORMATION AND RECOMMENDATIONS HEREIN, ARE TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE OR INTENDED.

TO THE CUSTOMERS OF ADVANCED POLYMER, INC.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss of damage, direct, or consequential arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use. The user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. Since the manufacturer of the product described in this technical data sheet has no means of controlling the final use of the product by the consumer for the user, it is the responsibility of the immediate purchaser and any intermediate seller or sellers to inform the user of the purposes for which the product may be fit and suitable and of the properties of the product, including the precautionary measures which must be taken in order to ensure the safety of the user and of other third persons and property.

No statement made herein shall be taken as an authorization or inducement to practice any patented invention without appropriate license.