



# ATLANTA CHEMICAL ENGINEERING

Balancing Creativity and Functionality

## Safety Data Sheet

Revision Date: September 14, 2025

### Section I – Identification

**Product Name:**

Microwave Active Composition (MWAC)

**Supplier:**

Atlanta Chemical Engineering LLC

11527 Bay Gardens Loop

Riverview, FL 33569

**Contact Information:**

Phone: (770) 490-2814

Email: [office@atlantachemical.com](mailto:office@atlantachemical.com)

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### Section II – Hazard(s) Identification

**OSHA Classification:**

This product is **not classified as hazardous** under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Classification:**

Not a dangerous substance or mixture under the Globally Harmonized System (GHS).

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### Section III – Composition / Information on Ingredients

**Chemical Nature:**

Water-based slurry containing soluble polymers.

*Note: Specific chemical identities and exact concentrations are withheld as trade secrets.*

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## Section IV – First Aid Measures

### **Skin Contact:**

No harmful effects are expected under normal use. Prolonged or repeated contact may cause mild irritation. Wash exposed areas thoroughly with soap and water.

### **Eye Contact:**

Direct eye contact may cause irritation. Flush eyes with a large amount of water for at least 15 minutes. Seek medical attention if irritation persists.

### **Inhalation / Ingestion:**

No significant hazards expected. Seek medical attention if symptoms occur.

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## Section V – Firefighting Measures

### **Flash Point:**

94°C / 201°F (Pensky-Martens Closed Cup)

### **Auto-Ignition Temperature:**

Not applicable

### **Explosive Limits:**

- Upper: Not applicable
- Lower: Not applicable

### **Unusual Fire/Explosion Hazards:**

Material may spatter when heated above 100°C (212°F). Dried polymer film is combustible and may release toxic vapors upon combustion.

### **Extinguishing Media:**

Use CO<sub>2</sub>, dry chemical, foam, or other agents appropriate for surrounding fire.

### **Special Firefighting Procedures:**

Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear to protect against potential toxic and irritating vapors.

### **NFPA Flammability Rating:**

0 (Insignificant)

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## Section VI – Accidental Release Measures

### Spill Response:

Do not allow spilled material to enter drains, sewers, or water courses. Absorb with inert material (e.g., sand, vermiculite). Sweep or scrape up and place it into a suitable container.

### Waste Disposal:

Dispose of in accordance with local, state, and federal regulations. No special treatment is required for non-hazardous material.

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## Section VII – Handling and Storage

### Storage Temperature:

40°F – 77°F (4°C – 25°C)

### Special Sensitivity:

Avoid excessive heat. **Do not freeze.**

### Handling Guidelines:

- Keep containers tightly closed when not in use.
- Use only in well-ventilated areas.
- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection.
- Prohibit eating, drinking, and smoking in work areas.
- Store only in containers made of the same material as the original.

### Storage Conditions:

Store in a **cool, dry, well-ventilated area**, away from heat sources, ignition sources, and direct sunlight. Keep away from **strong oxidizing agents**. **No smoking.**

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## Section VIII – Exposure Controls / Personal Protection

### Respiratory Protection:

Not normally required. Avoid inhaling mist or vapor. If exposure exceeds limits, use a **NIOSH-approved respirator**.

### Ventilation:

Use with adequate ventilation.

### Protective Gloves:

Use chemical-resistant gloves when skin contact is likely.

### Eye Protection:

Wear **OSHA-compliant chemical goggles**.

### Other Protective Measures:

Wear suitable protective clothing where contact is likely. Wash contaminated clothing before reuse.

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## Section IX – Physical and Chemical Properties

Property	Value
Physical State	Liquid
Specific Gravity	1.05 – 1.40 (Water = 1)
Viscosity	150 cP
Melting Point	< 0°C (32°F)
Boiling Range	100°C – 150°C (212°F – 302°F)
Evaporation Rate	Not applicable
Solubility in Water	Miscible
VOC Content	Negligible
Vapor Density	Not applicable
Explosive Limits	Not applicable
Thermal Decomposition Range	150°C – 350°C (302°F – 662°F)
Odor	Slight
Hazardous Polymerization	Will not occur

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## Section X – Stability and Reactivity

### Stability:

Stable under normal storage and handling conditions.

### Incompatible Materials:

Strong oxidizing agents.

### Hazardous Decomposition Products:

- Carbon dioxide (CO<sub>2</sub>)
- Carbon monoxide (CO)
- Nitrogen oxides (NO<sub>x</sub>)
- Formaldehyde

### Hazardous Polymerization:

Will not occur.

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## Section XI – Toxicological Information

### Eye Contact:

May cause mild irritation. Flush eyes with water.

### Skin Contact:

Prolonged exposure may cause mild irritation. No data on skin absorption.

### Ingestion:

Seek medical attention. No acute toxicity data available.

### Carcinogenicity:

Not listed as a carcinogen by IARC, NTP, or OSHA.

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## Section XII – Ecological Information

### Environmental Impact:

Do not release into drains, surface water, or soil.

### Mobility in Environment:

Product is water-soluble.

### Bioaccumulation Potential:

Unknown

### Aquatic Toxicity:

Not established

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## Section XIII – Disposal Considerations

Dispose of products and containers in accordance with federal, state, and local environmental control regulations.

Consult with local waste authorities to determine if the product qualifies as special waste under applicable laws.

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## Section XIV – Transport Information

Mode of Transport	Classification
DOT (U.S.)	Not Regulated
DOT Label	Not Applicable
DOT Hazard Class	Non-hazardous
Packing Group	Not Applicable
IATA (Air Transport)	Not Regulated
International Shipping	Not classified as hazardous material
Air Freight Hazardous	No

**Note:** Ensure storage and transport conditions follow **Section VII** guidelines.

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## Section XV – Regulatory Information

### Regulatory Status:

This product is **not regulated** under U.S. Federal OSHA regulations in its purchased form.

- **TSCA Inventory Status:** Listed
- **RCRA (hazardous waste):** Not classified as hazardous waste
- **SARA 311/312/313:** Not subject to reporting under these sections
- **Use Restrictions:** None identified

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## Section XVI – Other Information

### Recommended Use:

Use only multi-mode microwave equipment.

### Restrictions on Use:

**Do not microwave in Empty Cavity mode** for prolonged periods.

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## Disclaimer of Liability

The information provided on this SDS is based on data believed to be accurate and reliable. However, it is provided **without warranty of any kind**, express or implied, regarding accuracy, completeness, or the results obtained from its use. The conditions or methods of handling, storage, use, and disposal of this product are beyond our control and may be beyond our knowledge.

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