



# JEMINI 100™

POLYMER MODIFIER

## MATERIAL SAFETY DATA SHEET

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** JEMINI 100™  
**PRODUCT CLASS:** Polymer Modifier  
**CHEMICAL NAME:**  
**CHEMICAL FAMILY:** Non-halogen containing high molecular ether  
**CAS #:** Registered Trade Secret  
**COMPANY NAME:** JJI Technologies  
**ADDRESS:** 1750 South Lane, Mandeville, LA 70471  
**EMERGENCY PHONE:** 440-354-3919

### SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS#</u>	<u>WEIGHT%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
JEMINI 100™	Trade Secret	100		

### SECTION III - HAZARDS IDENTIFICATION

**SKIN CONTACT:** Mild skin irritant.  
**EYE CONTACT:** Mild eye irritant  
**INHALATION:** At temperatures exceeding 300°C, vapor/fumes are irritating  
**INGESTION:** None known  
**AGGRAVATED**  
**MEDICAL CONDITIONS:** Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to fumes or vapors of this product. Existing allergies may increase the chance of developing increased allergy symptoms

**OTHER HEALTH HAZARDS:** This product contains no carcinogens.



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## SECTION IV - FIRST AID MEASURES

- SKIN CONTACT:** Remove contaminated clothing including shoes, and wash skin with plenty of soap and water. If irritation occurs, seek medical advice. Wash contaminated clothing and shoes before reuse.
- EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.
- INHALATION:** Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.
- INGESTION:** Wash mouth out with water and keep at rest. Seek medical attention.

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## SECTION V - FIRE FIGHTING MEASURES

- FLASH POINT:** NA
- AUTO IGNITION TEMP:** N/A
- FLAMMABILITY LIMITS:** Flammable, limits unknown
- EXTINGUISHING MEDIA:** In case of fire, use Carbon Dioxide, Dry Chemical, dry sand or limestone

**SPECIAL FIRE FIGHTING PRECAUTIONS:** Full emergency equipment with self-contained breathing PROCEDURES AND apparatus and full protective clothing should be worn by fire fighters. Do not enter a confined space without full bunker gear, including a positive pressure NIOSH approved by self contained breathing apparatus. During fire, irritating and toxic gases may be generated by thermal decomposition or combustion

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Remove all sources of ignition and ventilate the area. Dike and contain spilled material and control further spillage if feasible. Cover spill with clay, sand, saw dust, vermiculite, Fuller's earth or other suitable absorbent. Collect material in non-leaking containers and seal tightly for disposal. Refer to section XIII for disposal information



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## SECTION VII - HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes skin and clothing. Employee education and training in the safe use and handling of this material are required under the OSHA Hazard communication standard. Use with adequate ventilation.

**STORAGE:** Store indoors in a cool dry place away from heat, sparks and flame. Keep containers tightly closed when not in use. Keep away from acids and oxidizers.

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## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE PROTECTION:** Wear safety goggles or glasses with side shields.

**SKIN PROTECTION:** Avoid contact with skin and clothing. Use chemical resistant protective gloves such as neoprene rubber gloves, nitrile rubber gloves, cuffed butyl rubber gloves and other impermeable gloves.

**RESPIRATORY PROTECTION:** Avoid breathing aerosols and mists.  
Use NIOSH / MSHA approved respiratory protection equipment when airborne exposure is excessive.  
Observe OSHA regulations for respirator use (29 CFR 1910.134).

**VENTILATION:** Hazard control from vapor or spray mist is ideally performed by the use of engineering controls.  
General or local ventilation or isolation may prove adequate to keep airborne exposures below exposure limits.

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## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL FORM:** liquid

**COLOR:** amber

**BOILING POINT:** >300°C

**SOLUBILITY:** not soluble VAPOR DENSITY: N/A

**VISCOSITY:** ~500 cps @ RT EVAPORATION RATE: N/A

**SPECIFIC GRAVITY:** 0.97g/cc

**VAPOR PRESSURE:** N/A

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guarantee analysis of any specific lot or as specifications for the product.



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## SECTION X - STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions

**MATERIALS TO AVOID:** Strong oxidizing agents

**HAZARDOUS POLYMERIZATION:** Will not occur

**DECOMPOSITION PRODUCTS:** Unknown

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## SECTION XI - TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity (LD50, Rat):** Unknown

**Acute Dermal Toxicity (LC50, Rat):** Unknown

**Chronic Data:** Unknown

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## SECTION XII - ECOLOGICAL INFORMATION

Data not available

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## SECTION XIII - DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.



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## SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** JEMINI 100™

**HAZARD CLASS OR DIVISION:** UN / NA #:

**PACKING GROUP:**

**DOT PRODUCT RQ, Lb.: HAZARD LABEL(S): HAZARD PLACARD(S):**

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## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All ingredients in this product are listed in the TSCA inventory

**CERCLA REPORTABLE QUANTITY:** None

**SARA TITLE III:**

**SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCE:** None **SECTION 311/312 - HAZARD CATEGORIES:**

**None SECTION 313 - TOXIC CHEMICALS:** None

**RCRA:**

It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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## SECTION XVI - OTHER INFORMATION

**HMIS RATINGS:** Health: 1 Flammability: 1 Reactivity: 0

**REASON FOR ISSUE:** Initial issuance of new product.