

# SILICONE 100™

## A NONIONIC WETTER/SPREADER/PENETRANT SURFACTANT

### PRINCIPAL FUNCTIONING AGENTS:

Polyether-polymethylsiloxane-copolymer..... 100%

All ingredients are exempt from tolerance requirements under 40 CFR 180.1001 (d).

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING**



**HAZARDS TO HUMANS AND DOMESTIC ANIMALS. FOR PROFESSIONAL OR INDUSTRIAL USE ONLY.**

Harmful in contact with skin. Causes eye irritation. Harmful if inhaled. Toxic to aquatic life with long lasting effects. Read label before use. Keep container tightly closed. Keep only in original container. Avoid breathing dust / fume / gas / mist / vapors / spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/ eye protection/face protection.

**SEE BACK OF CONTAINER FOR STATEMENT OF FIRST AID AND GENERAL INFORMATION**

**NET CONTENTS: 1 U.S. Gallon (3.79 L)**



*Manufactured For:*

**TRIANGLE CHEMICAL COMPANY**

206 Lower Elm Street | Macon, Georgia 31208

**CARDINAL CHEMICAL COMPANY**

1583 Highway 258 South | Kinston, NC 28504



## **GENERAL INFORMATION**

**Silicone 100** is a new generation surfactant based on organo-modified siloxane technology for use in water-based pesticide formulations. **Silicone 100** is a highly effective nonionic wetter/spreader/penetrant surfactant. Careful observation of spray application is recommended to determine proper and efficient pesticide application. This will optimize the pesticide and surfactant load levels. Read CAUTION statements carefully before use.

While **Silicone 100** has been proven to be a highly efficient surfactant; timing, weather conditions, methods of application, crop conditions, and/or mixture with other chemicals not specifically recommended are beyond the control of the seller. Therefore, the user should carefully observe spray deposits, rate efficiencies, compatibilities and effectiveness in initial application and adjust the adjuvant rates accordingly.

### **ADDITIONAL PRECAUTIONARY STATEMENTS**

Avoid using product in a manner as to directly, or through drift, expose workers or other persons. Always follow the precautionary statements on the label of the pesticide(s) or micro nutrients that are to be used with **Silicone 100**. Always consult the material safety data sheet for specific instructions. Applicators and other handlers must wear goggles or a facial splash shield; chemical resistant gloves, such as nitrile rubber  $\geq 14$  mils or neoprene rubber  $\geq 14$  mils; coveralls or long sleeved shirt and long pants; shoes plus socks and mist filtering respirator. Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

### **FIRST AID**

**Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor, or going for treatment.**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. If eye irritation persists: Get medical advice or attention.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash it before reuse. Rinse cautiously with water for several minutes. If skin irritation occurs: Get medical advice or attention.

**IF SWALLOWED:** Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

**IF INHALED:** If breathing is difficult, remove person to fresh air and keep at rest in a comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

### **DIRECTIONS FOR USE**

Pesticide manufacturers may recommend a rate of nonionic surfactant to be used with their product. Follow the pesticide or active ingredient label recommendations on use of surfactant. However, if the pesticide or active ingredient label does not have a specific recommendation for surfactant use but does not prohibit the use of a nonionic surfactant, **Silicone 100** should be applied at the rates listed below. Careful observation of spray performance in a trial application with the combination of chemicals to be

applied is recommended to determine proper and efficient surfactant rates.

**AS A SPRAY ADJUVANT FOR PESTICIDES:** (Herbicides, Micro Nutrients, Defoliants, Insecticides/Miticides, Fungicides, PGR's)

**AS AN ADJUVANT WITH HERBICIDES:** Apply Silicone 100 at a rate of 6-13 ounces per 100 gallons of spray solution.

**AS AN ADJUVANT WITH MICRO NUTRIENTS:** Apply Silicone 100 at a rate of 6-13 ounces per 100 gallons of spray solution.

**AS AN ADJUVANT WITH DEFOLIANTS:** Apply Silicone 100 at a rate of 6-13 ounces per 100 gallons of spray solution.

**AS AN ADJUVANT WITH INSECTICIDES/MITICIDES:** Apply Silicone 100 at a rate of 4-8 ounces per 100 gallons of spray solution.

**AS AN ADJUVANT WITH FUNGICIDES:** Apply Silicone 100 at a rate of 4-8 ounces per 100 gallons of spray solution.

**AS AN ADJUVANT FOR PLANT GROWTH REGULATORS:** Apply Silicone 100 at a rate of 1.5 -13.0 ounces per 100 gallons of spray solution. Rate based on a maximum of 100 gallons of water per acre.

**FOR USE WITH AERIAL APPLICATIONS:** Apply Silicone 100 at a rate of 12-16 ounces per 100 gallons of spray.

**FOR USE WITH LIQUID FERTILIZATION:** Apply Silicone 100 to liquid fertilizer/water solutions at the rate of 6-13 ounces per 100 gallons of mix.

**NOT A PLANT FOOD INGREDIENT**

### **MIXING**

1. Fill tank to 2/3 to 3/4 full of water. If foaming is anticipated, add an anti-foaming agent, before pesticide and **Silicone 100**.
2. Add pesticide as directed by pesticide label.
3. Continue agitation.
4. Add **Silicone 100** and continue filling tank while maintaining agitation.

### **STORAGE AND DISPOSAL**

**Storage:** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

**Disposal:** Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all federal, state and local regulations. Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrcycle.org](http://www.acrcycle.org).

**WARRANTY:** Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk or any such use.