



**JIANGXI HITO SILICONE MATERIALS CO.,LTD**

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## TECHNICAL DATA SHEET

# H-8050

## Organosilicone adjuvant

**CAS:67674-67-3**

### **DESCRIPTION**

H-8050 is a polyether modified silicone surfactant. By reducing the surface tension of the liquid and reducing the contact angle between the liquid surface and the interface, the surface expansion speed of the liquid is promoted and the expansion area of the liquid is expanded. It can accelerate the absorption of pesticide solution by leaf stomata and has super strong adhesion, so the pesticide solution is resistant to rainwater erosion, which can effectively reduce the waste of pesticide solution and environmental pollution.

### **TYPICAL PROPERTIES**

Appearance	Colorless to light amber liquid
Active content %	>99
Viscosity (25°C),mm <sup>2</sup> /s	70—90
Surface Tension (0.1%)	<20.5
Cloud point(0.1%),mN/m	<10

### **USES AND APPLICATION**

- 1.Super spreadability, excellent permeability, efficient internal absorption and conductivity.
- 2.Enhance the adhesion of liquid medicine to resist rain erosion ,reduce the waste of pesticide solution,improve the utilization rate of pesticides and reduce environmental pollution.
- 3.Excellent wetting and spreading, increasing coverage and improving pesticide efficacy.
- 4.Reduce the amount of spray, save medicine and water reasonably, save labor and time.

### **APPLICATION**

1. Add pesticide formula:

When added to the pesticide formula,the dilution of the auxiliary is 1000-3000 times . According to different pesticide varieties and formulations, adjust the dosage of silicone additives to achieve the most economical and effective effect. Compatibility test and drug effect step test should be done before use.

## 2. Add tank mix spray and use:

Agricultural silicone adjuvants are most effective in tank-mix sprays, and the dilution factor varies according to different silicone adjuvants and for different application ranges. However, the dilution factor should be doubled when weeding after seedlings, in the young fruit stage of fruit trees, and when used with regulators.

When using, first mix the liquid medicine with 80% water, then add silicone additives H-8050 and stir well, then add 100% water and mix well. When using silicone additives, it is recommended to reduce the water consumption to 1/2 or 2/3 of the conventional amount, use nozzles with smaller apertures, and speed up the spraying speed appropriately. Combined with an ultra-low volume sprayer, the effect is even more pronounced.

### **SAFETY**

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

### **STORAGE AND SHELF LIFE**

H-8050(unbroken package) is,using 200kg/1000kg plastic barrels, stored in a cool, ventilated and dry place, with a shelf life of 3 years, transported as non-hazardous chemicals.

### **LEGAL DISCLAIMER**

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