SiSiB® ASS8211

Agricultural Silicone Surfactant

Component

Polyalkyleneoxide Modified Heptamethyltrisiloxane

Introduction

SiSiB® ASS8211 is a modified Trisiloxane, and is an organic silicone surfactant with super ability of spreading. It makes the water surface tension lower down to the 20.5mN/m at the concentration of 0.1% (wt.). After the mixture with the pesticide solution at the certain proportion, it can lower the contact angel between the spray and foliage, which can enlarge the coverage of the spray. Furthermore, ASS8211 Agricultural Silicone Spreading and Penetrating Agent can make the pesticide absorbed through the stomatal of leaves, which is extremely effective for improving efficacy, reducing amount of pesticide, saving cost, reducing environmental pollution caused by pesticides

Typical Physical Properties

CAS No.	67674-67-3
Pour Point	-8°C
Flash Point	118°C
Color and Appearance	Colorless to straw liquid
Surface Tension (0.1%)	<21.0 mN/m
Density $_{25/25°C}$	1.01-1.03 g/cm^3
Viscosity(25°C)	30-50 cSt
Cloud Point (0.1 wt%)	<10°C

Applications

SiSiB® ASS8211 has super spreading and penetrating property, high-efficient systemic and conduction property, and tolerance property of rainfall.

SiSiB® ASS8211 can add to the biological pesticide spray mixture liquid such as pesticide, bactericide, herbicide, foliar fertilizer, plant growth regulator, etc, especially applied for systemic pharmacy.

Use Method：

1) Used of spray mixed in drum

SINOPCC GROUP

AddSil, CoatSil, Kolark, PowSil, SinoSil, SiSiB, WinSil: Trademark of SINOPCC Group Limited or its affiliated.
© 2018 SINOPCC Group Limited. All rights reserved.
For further information, please see www.SiSiB.com.

In general, add SiSiB® ASS8211 (4000times) 5g in every 20kg spray. If it needs to promote the adsorption of systemic pesticide, increase the function of pesticide or reduce the amount of spray further, it should add the usage amount properly. In general, the amount is as follows:

Plant promote regulator:	0.025%-0.05%
Herbicide:	0.025%-0.15%
Pesticide:	0.025%-0.1%
Bactericide:	0.015%-0.05%
Fertilizer and trace element:	0.015%-0.1%

When using, first dissolve the pesticide, add SiSiB® ASS8211 after the uniform mixture of 80% water, then add water to 100% and mix them uniformly. It is advised that when using Agricultural Silicone Spreading and Penetrating Agent, the water amount reduced to 1/2 of the normal (suggested) or 2/3, average pesticide usage reduced to 70-80% of the normal. Using the small aperture nozzle will quicken the spray speed.

2) Used of Original Pesticide

When the product added to the original pesticide, we suggest the amount is 0.5%-8% of the original pesticide. Adjust the PH value of the pesticide prescription to 6-8. The user should adjust the amount of Agricultural Silicone Spreading and Penetrating Agent according to different kinds of pesticide and prescription to reach the most effective and most economical result. Do compatibility tests and stepwise tests before usage.

Packing and Storage

SiSiB® ASS8211 is supplied in 200Kg barrel or 1000Kg IBC tote.

In the unopened original container SiSiB® ASS8211 has a shelf life of two years in a dry and cool place.

Notes

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential

SINOPCC GROUP

AddSil, CoatSil, Kolark, PowSil, SinoSil, SiSiB, WinSil: Trademark of SINOPCC Group Limited or its affiliated.
© 2018 SINOPCC Group Limited. All rights reserved.
For further information, please see www.SiSiB.com.

damages.

Please send all technical questions concerning quality and product safety to: support@SiSiB.com.

AddSil, CoatSil, Kolark, PowSil, SinoSil, SiSiB, WinSil: Trademark of SINOPCC Group Limited or its affiliated.
© 2018 SINOPCC Group Limited. All rights reserved.
For further information, please see www.SiSiB.com.