



Technical Data Sheet

SILICONE ADJUVANT FOR AGRICULTURE (SS ARG 110)

APPLICATIONS

- To enhance the performance of agricultural chemicals, especially water-soluble broadleaf herbicides, insecticides, fungicides and plant growth regulators
- “Use as an Adjuvant” refers to the use of this product as an additive to a pesticide for the purpose of enhancing the pesticide’s effectiveness for wetting more of the leaf surface (delivering the pesticide to a greater surface area for increased leaf penetration) and thereby providing rain fastness. i.e., herbicides are not washed off by rainfall because they have penetrated into the plant surface.

FEATURES

- Acts as a good emulsifier
- Lowers surface tension to 22 dynes / cm
- Good Wetting and Spreading agent
- Easily soluble in water, alcohol and hydro alcoholic system
- Excellent foam builder
- Super Spreading
- Non Ionic

RECOMMENDED DOSEAGES

SS ARG 110 Super wetting Agent should be used 0.015 to 0.035 percent of total formulation required.

PACKAGING

35 Kg, 50 Kg & 200 Kg

HDPE Carboys & Drums

DESCRIPTION

SS ARG 110 is a Super Wetting and Spreading Agent, which have a low molecular weight nonionic silicone polyether surfactant, developed to improve the wetting, spreading and penetration of agricultural chemicals. It may be used as a formulation ingredient in pesticide products, or as a tank-mix adjuvant for foliar applied chemicals

TYPICAL PROPERTIES

| Parameters | Value |
|---------------------------|----------------------------|
| Appearance | Clear amber colored liquid |
| Viscosity @ 25°C | 30 – 50 cst. |
| Density | 0.99 to 1.1 |
| Flash Point (by open cup) | > 100 ° C |
| Refractive Index | 1.445-1.460 |

CHARACTERISTICS

- SS ARG 110 Super wetting Agent reduces the surface tension of aqueous agricultural mixtures significantly lower than is achievable with conventional nonionic surfactants, at concentrations as low as 0.01 percent.
- SS ARG 110 Super wetting Agent reduces surface tension below 22 dynes/cm, which produces very rapid wetting and spreading on hard-to-wet surfaces such as waxy leaves. Thus, complete coverage can be achieved with herbicides, insecticides, fungicides and other agricultural chemicals.
- In addition to the rapid wetting and spreading, SS ARG 110 Super wetting Agent also greatly increases the uptake of chemicals into plant tissues.
 - Adding SS ARG 110 Super wetting Agent to a herbicide tank-mix may significantly enhance its efficacy, particularly in the control of broadleaf weeds with water soluble herbicides. The rapid uptake produces “Rain fastness”.
- SS ARG 110 Super wetting Agent may be added to tank-mixes to enhance the biological performance of the spray solution. With herbicides, insecticides, fungicides and other agricultural chemicals.

NOTE

Changes may occur from system to system as methods of use and conditions of applications are beyond our control, hence users are requested to evaluate the product before actual application such as compatibility with Biocides, Pesticides and Micronutrients to get desired performance. This product is neither tested nor represented as suitable for medical or pharmaceutical uses

USABLE LIFE AND STORAGE

Store the original container in a cool and dry place. Shelf life in the original unopened containers, when stored at or below 25°C, is 2 years.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read Material Safety Data Sheets (MSDS) and container labels for safe use, physical and health hazard information.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. Supreme Silicone’s sole warranty is that the product will meet the Supreme Silicone’s sales specifications in effect at the time of shipment. Supreme Silicones specifically disclaims any other express or implied warranty of fitness. Supreme Silicones disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.