

# Miracle® S240

## Product Description

Miracle® S240 is a biodegradable, polyether trisiloxane. In aqueous solutions, it gives super spreading and dramatically reduces surface tension. Therefore, the biological performance of crop protection products can be significantly enhanced by

- superior wetting of hydrophobic surfaces, in particular leaves and other parts of plants,
- better uptake through penetration of cuticular waxes, and stomatal flooding.

## Physical properties

Viscosity at 25 °C	50-100 mPas
Density at 20 °C	1.02 g/ml
Type	100 % non-ionic
Flash point	> 100 °C
Surface tension at 22 °C (0.1% w/w in water)	approx. 22mN/m
Appearance	liquid
Colour	colourless to pale straw

## Application

Miracle® S240 can be used in tank mix applications as well in formulations. Please inquire for details. For tank mixtures, pesticide manufacturers may suggest a rate of a non-ionic surfactant to be used with their product. Follow the corresponding label recommendation.

However, if the pesticide label does not have a specific recommendation for adjuvant use, but does not prohibit its application, Miracle® S240 should be applied at rates listed below. Careful observation of spray performance in a trial application with the tank mixture to be sprayed is advised to determine proper and efficient rates.

## Application Rate

### Arable crops

Pesticides with systemic action: 150-200 ml/ha to improve wetting, spreading, and uptake.

Pesticides with contact action: 100-125 ml/ha to improve wetting and spreading.

### Horticultural crops and orchards

150-250ml/ha depending on the growth stage.

\*These are indicate application rates (minimum rate). **The specific application rates might differ due to plant and farming conditions.** Please contact G-Planter representative for the right recommendation.

## Listing Status

Miracle® S240 is listed in the following chemicals inventories:

EINECS, TSCA, AICS, ECL, ENCS, IECSC (China), PICCS.

Per 40 CFR 180.910, Miracle® S240 is exempt from the requirement of a tolerance when used in accordance with good agricultural practice as an inert ingredient in pesticide formulations applied to growing crops or to raw agricultural commodities after harvest.

Miracle® S240 is OMRI (Organic Materials Review Institute) listed.

## Storage stability

Miracle® S240 is stable in sealed containers for 4 years. Miracle® S240 is not sensitive to freezing.

## Packing Size

500 ml PE bottle

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# Miracle<sup>®</sup> S240

## Hazardous goods classification

Information concerning

- classification and labeling according to regulations for transport and for dangerous substances.
  - protective measures for storage and handling
  - measures in case of accidents and fire.
  - toxicity and ecological effects
- are given in our safety data sheets.

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