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TECHNICAL DATA SHEET

H-408

Polyether modified silicone

CAS:67674-67-3

DESCRIPTION

H-408 is a modified trisiloxane, is an organic silicone surfactant with super ability of spreading. It is a non-ion surfactant has the structure of type "T". H-408 have 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 angle between the spray and foliage, which can enlarge the coverage of the spray. Furthermore, H-408 can make the pesticide absorbed through the stomatal leaves, which is extremely effective for improving efficacy, reducing amount of pesticide, saving cost, reducing environmental pollution caused by pesticides.

Equivalent: Dow Corning-Q2-5211

Momentive Silwet 408

Break thru S 240-Evonik

TYPICAL PROPERTIES

Appearance	Colourless to light amber liquid
Active content %	100%
Composition	Silicone Polyether
Viscosity (cst)	20-45
Surface Tension (0.1%)	<20.5mN/m
Density	1.01g/cm ³
Cloud point	<10

USES AND APPLICATION

H-408 is a super spreading and penetrating agent can be used in formulate or as a tank mix.

H-408, as a component of 0.5-8% in agrochemical formulations. Proposing regulation of pesticide formulations PH value of 6-8.

H-408, as a tank mix adjuvant , As usual, add 50g H-408 to 200kg spray solution (4000-times diluent).Generally,

Application	Typical Use Rate
Plant Growth Regulators	0.025-0.05%
Herbicide	0.025-0.15%
Insecticide	0.025-0.1%
Fungicide	0.015-0.05%
Fertilizers and trace elements	0.015-0.1%

H-408 wetting properties are useful in various industrial applications e.g. Inks & coatings, Agriculture ,leather,textile and any other applications where strong surface tension reductions,wetting and spreading are desired.



Without H-408

With H-408

SAFETY

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

STORAGE AND SHELF LIFE

After sealing packaging products stored in a cool, dry place , **H-408** has a shelf life of 36 months from date of manufacture.

PACKAGING

H-408 is available in 200L drum and 1000L IBC or others.

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