



JIANGXI HITO SILICONE MATERIALS CO.,LTD

No 6 Tianhong road,Xinghuo

industry zone,Yongxiu,

Jiujiang,Jiangxi province,China

(86)792-3170318(Tel) (86) 792-3170355 (Fax)

TECHNICAL DATA SHEET

H-8077

Organosilicone adjuvant

CAS:27306-78-1

DESCRIPTION

H-8077 Organosilicone adjuvant is a superspreading surfactant based on a trisiloxane ethoxylate. **H-8077** lowers the surface tension of spray solutions, beyond that which is achievable with conventional adjuvants.

Typically, **H-8077** (@ 0.1 wt %) gives an aqueous surface tension of 20.5 mN/m. 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-8077 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 PROPERTIES

Appearance	Colourless to light amber liquid
Active content %	100%
Viscosity (cst)	15-30
Surface Tension (0.1%)	<21.5mN/m
Cloud point	<10
Density	0.99-1.01
PH	6.0-8.0
Specific Gravity (25/25°C)	1.004

USES AND APPLICATION

H-8077 is a super spreading and penetrating agent can be used in formulate or as a tank mix.

H-8077, as a component of 0.5-8% in agrochemical formulations. Proposing regulation of pesticide formulations PH value of 6-8.

H-8077, 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-8077 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-8077

With H-8077

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-8077** has a shelf life of 36 months from date of manufacture.

PACKAGING

H-8077 is available in 200L drum and 1000L IBC or others.

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