

Dow Corning® FS 1265 Fluid

FEATURES

- Efficient and persistent antifoam
- Insoluble in chlorinated solvents
- Resistant to chemicals and oxidation
- Low surface tension
- High flash point

100% active fluorosilicone polymer

APPLICATIONS

- Solvent antifoaming in the chemical and petroleum industries.
- Reclaiming of used chlorinated solvents after dry cleaning, solvent degreasing or solvent extraction operations.
- Suitable for foam control in solvent systems where conventional polydimethylsiloxane fluids are soluble and promote foam.
- Oil and gas separation.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

| Parameter | Unit | Value |
|------------------------------------------------|--------------------|-------------------|
| Appearance | | Colourless, fluid |
| Viscosity | mm ² /s | 300, 1000, 10000 |
| Flash point | | |
| - closed cup | °C | >100 |
| | °F | >212 |
| - 300mm ² /s, open cup | °C | >245 |
| | °F | >473 |
| - 1000mm ² /s, open cup | °C | >260 |
| | °F | >500 |
| - 10000mm ² /s, open cup | °C | >285 |
| | °F | >545 |
| Specific gravity at 25°C/15.6°C (77°F/60.08°F) | | 1.27 |

HOW TO USE

Dow Corning® FS 1265 Fluid (see handling Precautions) can be used as supplied or diluted in one of the components of the foaming system.

In some applications, the defoamer can be used to limit foam height by the simple method of wiping onto an element of the processing equipment. For example a wiped-on application on the rim of processing vats prevents foam overflow by knocking down foam as it rises to the rim of the vat. In other applications, it is wiped on a screen that is then suspended over the surface of the foamer. Whenever the foam rises too high, it contacts the screen and is broken.

The usual method of use, however, is to add the defoamer directly into the liquid system.

It is usually best to predilute with an acceptable solvent, chosen from the following range:

- Acetone
- Cellosolve acetate
- Ethyl methyl ketone
- Isobutyl methyl ketone
- Trichlorofluoromethane (300 and 1000mm²/s only)

Choice of viscosity depends on the nature of the foaming solvent. As viscosity increases, solubility decreases, and hence antifoaming

efficiency increases, however it becomes more difficult to disperse the fluid thoroughly. Thus the lowest viscosity grade consistent with good foam control should be chosen. The middle viscosity grade of 1,000mm²/s should be used for initial testing. Suggested starting concentration is 1-5ppm.

Diluted solutions may show loss in performance if stored for more than 4 weeks.

| Features | Advantages | Benefits |
|-------------------------------------------------------------|------------------------------------|---------------------------------------------|
| 100% active fluid | Non reactive fluorosilicone | Safe, low contamination |
| Dispersable in ketones or cellosolve acetate | Can be easily diluted before use | Costs savings in chlorinated solvents foams |
| Low use levels (<5 ppm) | Highly efficient | Cost savings |
| Insoluble in chlorinated hydrocarbons (dry cleaning agents) | Unique antifoam for these solvents | Quality of processing |
| Long storage life | Easy to store | Cost savings |
| High flash point | Low flammability | Safe to use |

HANDLING PRECAUTIONS

Caution: toxic vapours may be evolved from *Dow Corning* FS 1265 Fluid, if exposed to air at temperatures above 150°C (302°F). Provide adequate ventilation if temperatures are likely to exceed this point. The fluid is essentially non toxic except when heated to a point where decomposition begins.

INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS

AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 40°C (104°F) in the original unopened containers, this product has a usable life of 48 months from the date of production.

PACKAGING INFORMATION

This product is available in a range of packages including:

550 lb drums, 25kg pails, 5kg and 1kg small packs and 250cc samples.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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