

# Defoamers

## AGITAN<sup>®</sup> DF

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| Product name                          | Dispersibility | VOC-Free | APEO Free | Non-silicone based |
|---------------------------------------|----------------|----------|-----------|--------------------|
| <b>Hydrocarbon oil based</b>          |                |          |           |                    |
| AGITAN® DF 2532                       | low            |          | ✓         |                    |
| AGITAN® DF 2541                       | high           | ✓        | ✓         | ✓                  |
| AGITAN® DF 2553                       | low            | ✓        | ✓         |                    |
| AGITAN® DF 2561                       | high           | ✓        | ✓         | ✓                  |
| AGITAN® DF 581 B                      | high           |          | ✓         | ✓                  |
| AGITAN® DF 6002                       | low            | ✓        | ✓         |                    |
| AGITAN® DF 6236 M                     | moderate       |          | ✓         |                    |
| AGITAN® DF 6575 GM                    | low            | ✓        | ✓         |                    |
| AGITAN® DF 6600                       | low            | ✓        | ✓         |                    |
| AGITAN® DF 6681                       | high           | ✓        | ✓         | ✓                  |
| AGITAN® DF 6685                       | moderate       | ✓        | ✓         | ✓                  |
| AGITAN® DF 677                        | moderate       | ✓        | ✓         |                    |
| AGITAN® DF 681 F                      | low            | ✓        | ✓         |                    |
| AGITAN® DF 691                        | high           | ✓        | ✓         |                    |
| AGITAN® DF 9146                       | moderate       | ✓        | ✓         |                    |
| <b>Hydrocarbon oil based emulsion</b> |                |          |           |                    |
| AGITAN® DF 6008                       | high           | ✓        | ✓         | ✓                  |
| AGITAN® DF 6120                       | moderate       | ✓        | ✓         | ✓                  |
| AGITAN® DF 6698                       | moderate       | ✓        | ✓         | ✓                  |
| <b>Vegetable oil based</b>            |                |          |           |                    |
| AGITAN® DF 6686 W                     | high           | ✓        | ✓         | ✓                  |
| <b>Silicone based</b>                 |                |          |           |                    |
| AGITAN® DF 311 M                      | moderate       |          | ✓         |                    |
| AGITAN® DF 6054                       | moderate       | ✓        | ✓         |                    |
| AGITAN® DF 6338                       | high           | ✓        |           |                    |
| AGITAN® DF 6420                       | low            |          | ✓         |                    |
| <b>Polyol based</b>                   |                |          |           |                    |
| AGITAN® DF 6027                       | moderate       | ✓        | ✓         | ✓                  |
| AGITAN® DF 6029                       | high           | ✓        | ✓         | ✓                  |
| AGITAN® DF 6432                       | moderate       | ✓        | ✓         | ✓                  |
| AGITAN® DF 999                        | high           | ✓        | ✓         | ✓                  |

\*VOC defined as "all organic compounds that have an initial boiling point less than or equal to 250 °C"

Values indicated on this data sheet describe typical properties and do not constitute specification limits

**Defoamers AGITAN® DF**  
**Architectural Coatings / Construction**

|                               |                                                                                   | Recommended use: |                  |                       |                 |                |        |
|-------------------------------|-----------------------------------------------------------------------------------|------------------|------------------|-----------------------|-----------------|----------------|--------|
| Product name                  | Description                                                                       | Gloss            | Silk/ Semi-Gloss | Matt/ Rough Cast      | Clear           | Alkyd Emulsion | Trim   |
| <b>Architectural Coatings</b> |                                                                                   |                  |                  |                       |                 |                |        |
| <b>AGITAN® DF 311 M</b>       | Solution of polymers and non ionic surfactants in a light mineral oil, APEO free. |                  |                  |                       |                 |                | ✓      |
| <b>AGITAN® DF 581 B</b>       | Blend of light mineral oil and non ionic surfactants, APEO free.                  |                  | ✓                | ✓                     |                 |                |        |
| <b>AGITAN® DF 6002</b>        | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  | ✓                | ✓                     |                 |                |        |
| <b>AGITAN® DF 6120</b>        | Emulsion of mineral oil and non ionic surfactants, APEO free.                     |                  | ✓                | ✓                     |                 |                |        |
| <b>AGITAN® DF 6600</b>        | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  | ✓                | ✓                     |                 |                |        |
| <b>AGITAN® DF 6681</b>        | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  |                  |                       | ✓               | ✓              |        |
| <b>AGITAN® DF 6698</b>        | Aqueous emulsion of liquid hydrocarbons and non ionic emulsifiers, APEO free.     |                  | ✓                | ✓                     | ✓               | ✓              |        |
| <b>AGITAN® DF 681 F</b>       | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  | ✓                | ✓                     |                 |                |        |
| <b>AGITAN® DF 691</b>         | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  | ✓                | ✓                     |                 |                |        |
| Product name                  | Description                                                                       | Cement Mortars   | Renders          | Self Levelling Floors | Adhesive pastes | Rough Casts    | Gypsum |
| <b>Construction</b>           |                                                                                   |                  |                  |                       |                 |                |        |
| <b>AGITAN® DF 6002</b>        | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  |                  |                       |                 | ✓              | ✓      |
| <b>AGITAN® DF 691</b>         | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  |                  |                       | ✓               | ✓              |        |

## Defoamers AGITAN® DF Adhesives

| Recommended use:   |                                                                                   |         |            |                |                |                          |               |
|--------------------|-----------------------------------------------------------------------------------|---------|------------|----------------|----------------|--------------------------|---------------|
| Product name       | Description                                                                       | Acrylic | Epoxy (aq) | Gelatine       | Natural Rubber | Non Aqueous              | PSA           |
| AGITAN® DF 311 M   | Solution of polymers and non-ionic surfactants in a light mineral oil, APEO free. |         |            |                |                | ✓                        |               |
| AGITAN® DF 581 B   | Blend of light mineral oil and non ionic surfactants, APEO free.                  |         | ✓          |                | ✓              |                          |               |
| AGITAN® DF 6002    | Mixture of mineral oil and non ionic surfactants, APEO free.                      |         |            |                |                |                          | ✓             |
| AGITAN® DF 6420    | Blend of non ionic surfactants in a mixed solvent system, APEO free.              |         |            |                |                | ✓                        |               |
| AGITAN® DF 6575 GM | Mixture of mineral oil and non ionic surfactants, APEO free.                      |         |            | ✓              |                |                          |               |
| AGITAN® DF 6681    | Mixture of mineral oil and non ionic surfactants, APEO free.                      | ✓       | ✓          |                | ✓              |                          | ✓             |
| AGITAN® DF 691     | Mixture of mineral oil and non ionic surfactants, APEO free.                      | ✓       |            |                | ✓              |                          |               |
| AGITAN® DF 999     | Blend of polyethers and non ionic emulsifiers, APEO free.                         | ✓       | ✓          |                |                |                          |               |
| Product name       | Description                                                                       | PUD's   | PV Acetate | PV Alcohol CMC | SBR            | Starch, Dextrine, Casein | Vinyl Acetate |
| AGITAN® DF 581 B   | Blend of light mineral oil and non ionic surfactants, APEO free.                  |         | ✓          | ✓              |                |                          | ✓             |
| AGITAN® DF 6432    | Blend of non ionic surfactants and high molecular weight polyols, APEO free.      | ✓       |            |                |                |                          |               |
| AGITAN® DF 6681    | Mixture of mineral oil and non ionic surfactants, APEO free.                      |         | ✓          |                | ✓              |                          | ✓             |
| AGITAN® DF 681 F   | Mixture of mineral oil and non ionic surfactants, APEO free.                      |         |            |                | ✓              | ✓                        | ✓             |
| AGITAN® DF 691     | Mixture of mineral oil and non ionic surfactants, APEO free.                      |         |            | ✓              | ✓              |                          |               |
| AGITAN® DF 999     | Blend of polyethers and non ionic emulsifiers, APEO free.                         | ✓       |            |                |                | ✓                        |               |

**Defoamers AGITAN® DF**  
**Cutting and lubricating fluids / Non aqueous systems**

| Recommended use:                      |                                                                                   |               |                        |                         |                        |
|---------------------------------------|-----------------------------------------------------------------------------------|---------------|------------------------|-------------------------|------------------------|
| Product name                          | Description                                                                       | Diluted fluid | Oil based Concentrated | Oil based Non dilutable | Synthetic concentrated |
| <b>Cutting and lubricating fluids</b> |                                                                                   |               |                        |                         |                        |
| AGITAN® DF 2553                       | Emulsion of mineral oil and non ionic surfactants, APEO free.                     |               | ✓                      |                         |                        |
| AGITAN® DF 311 M                      | Solution of polymers and non-ionic surfactants in a light mineral oil, APEO free. |               |                        | ✓                       |                        |
| AGITAN® DF 581 B                      | Blend of light mineral oil and non ionic surfactants, APEO free.                  | ✓             |                        |                         | ✓                      |
| AGITAN® DF 6008                       | Aqueous emulsion of mineral oil and non ionic surfactants, APEO free.             | ✓             |                        |                         |                        |
| AGITAN® DF 6054                       | Aqueous emulsion of silicone and non ionic surfactants, APEO free.                | ✓             | ✓                      |                         |                        |
| AGITAN® DF 6338                       | Aqueous emulsion of silicone and non ionic surfactants.                           |               |                        |                         | ✓                      |
| AGITAN® DF 6420                       | Blend of non ionic surfactants in a mixed solvent system, APEO free.              |               |                        | ✓                       |                        |
| AGITAN® DF 6681                       | Mixture of mineral oil and non ionic surfactants, APEO free.                      |               | ✓                      |                         |                        |
| Product name                          | Description                                                                       | Coatings      | Epoxy Resins           | Platisols               | Solvent Distillation   |
| <b>Non aqueous systems</b>            |                                                                                   |               |                        |                         |                        |
| AGITAN® DF 311 M                      | Solution of polymers and non-ionic surfactants in a light mineral oil, APEO free. | ✓             | ✓                      |                         |                        |
| AGITAN® DF 6420                       | Blend of non ionic surfactants in a mixed solvent system, APEO free.              | ✓             | ✓                      |                         | ✓                      |
| AGITAN® DF 677                        | Mixture of mineral oil and non ionic surfactants, APEO free.                      |               |                        | ✓                       |                        |

## Defoamers AGITAN® DF Inks

| Product name     | Description                                                                       | Recommended use: |             |           |                                              |
|------------------|-----------------------------------------------------------------------------------|------------------|-------------|-----------|----------------------------------------------|
|                  |                                                                                   | Solvent based    | Water based | UV Curing | UV Curing<br>(systems that<br>contain water) |
| AGITAN® DF 311 M | Solution of polymers and non-ionic surfactants in a light mineral oil, APEO free. | ✓                |             | ✓         |                                              |
| AGITAN® DF 581 B | Blend of light mineral oil and non ionic surfactants, APEO free.                  |                  |             | ✓         | ✓                                            |
| AGITAN® DF 6027  | Blend of polyethers and non ionic surfactants, APEO free.                         |                  | ✓           |           |                                              |
| AGITAN® DF 6029  | Blend of polyethers and non ionic surfactants, APEO free.                         |                  | ✓           |           |                                              |
| AGITAN® DF 6420  | Blend of non ionic surfactants in a mixed solvent system, APEO free.              | ✓                |             | ✓         |                                              |
| AGITAN® DF 6681  | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  | ✓           |           |                                              |
| AGITAN® DF 681 F | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  |             | ✓         | ✓                                            |
| AGITAN® DF 691   | Mixture of mineral oil and non ionic surfactants, APEO free.                      |                  | ✓           |           |                                              |
| AGITAN® DF 999   | Blend of polyethers and non ionic emulsifiers, APEO free.                         |                  | ✓           |           |                                              |

**Defoamers AGITAN® DF**  
**Synthetic polymer dispersions**

| Recommended use:      |                                                                    |         |       |                  |       |               |
|-----------------------|--------------------------------------------------------------------|---------|-------|------------------|-------|---------------|
| Product name          | Description                                                        | Acrylic | Alkyd | Carboxylated SBR | Epoxy | Poly-isoprene |
| <b>Pigmented:</b>     |                                                                    |         |       |                  |       |               |
| AGITAN® DF 581 B      | Blend of light mineral oil and non ionic surfactants, APEO free.   |         |       |                  |       | ✓             |
| AGITAN® DF 6681       | Mixture of mineral oil and non ionic surfactants, APEO free.       | ✓       | ✓     | ✓                | ✓     | ✓             |
| AGITAN® DF 681 F      | Mixture of mineral oil and non ionic surfactants, APEO free.       | ✓       |       | ✓                |       |               |
| AGITAN® DF 691        | Mixture of mineral oil and non ionic surfactants, APEO free.       |         | ✓     |                  | ✓     |               |
| Product name          | Description                                                        | Acrylic | Alkyd | Carboxylated SBR | Epoxy | Poly-isoprene |
| <b>Non-pigmented:</b> |                                                                    |         |       |                  |       |               |
| AGITAN® DF 581 B      | Blend of light mineral oil and non ionic surfactants, APEO free.   |         |       |                  |       | ✓             |
| AGITAN® DF 6681       | Mixture of mineral oil and non ionic surfactants, APEO free.       |         | ✓     |                  |       | ✓             |
| AGITAN® DF 6685       | Blend of liquid hydrocarbons and non ionic emulsifiers, APEO free. |         |       | ✓                | ✓     |               |
| AGITAN® DF 681 F      | Mixture of mineral oil and non ionic surfactants, APEO free.       | ✓       | ✓     |                  |       |               |
| AGITAN® DF 691        | Mixture of mineral oil and non ionic surfactants, APEO free.       | ✓       |       | ✓                | ✓     |               |

**Defoamers AGITAN® DF**  
**Synthetic polymer dispersions**

|                       |                                                                                      | Recommended use: |     |                          |            |                    |                     |                    |                 |
|-----------------------|--------------------------------------------------------------------------------------|------------------|-----|--------------------------|------------|--------------------|---------------------|--------------------|-----------------|
| Product name          | Description                                                                          | Poly-urethane    | PVC | Poly vinylidene Chloride | PV Acetate | PV Acetate Acrylic | PV Acetate Ethylene | PV Acetate Versate | Styrene Acrylic |
| <b>Pigmented:</b>     |                                                                                      |                  |     |                          |            |                    |                     |                    |                 |
| AGITAN® DF 581 B      | Blend of light mineral oil and non ionic surfactants, APEO free.                     |                  | ✓   |                          | ✓          |                    |                     |                    |                 |
| AGITAN® DF 6681       | Mixture of mineral oil and non ionic surfactants, APEO free.                         | ✓                |     |                          | ✓          | ✓                  | ✓                   | ✓                  | ✓               |
| AGITAN® DF 6685       | Blend of liquid hydrocarbons and non ionic emulsifiers, APEO free.                   |                  |     | ✓                        |            |                    |                     |                    |                 |
| AGITAN® DF 681 F      | Mixture of mineral oil and non ionic surfactants, APEO free.                         |                  | ✓   | ✓                        |            | ✓                  | ✓                   | ✓                  |                 |
| AGITAN® DF 691        | Mixture of mineral oil and non ionic surfactants, APEO free.                         | ✓                |     |                          |            |                    |                     |                    |                 |
| Product name          | Description                                                                          | Poly-urethane    | PVC | Poly vinylidene Chloride | PV Acetate | PV Acetate Acrylic | PV Acetate Ethylene | PV Acetate Versate | Styrene Acrylic |
| <b>Non-pigmented:</b> |                                                                                      |                  |     |                          |            |                    |                     |                    |                 |
| <b>Defoamers</b>      |                                                                                      |                  |     |                          |            |                    |                     |                    |                 |
| AGITAN® DF 581 B      | Blend of light mineral oil and non ionic surfactants, APEO free.                     |                  | ✓   |                          |            |                    |                     |                    |                 |
| AGITAN® DF 6002       | Mixture of mineral oil and non ionic surfactants, APEO free.                         |                  |     |                          |            |                    |                     | ✓                  |                 |
| AGITAN® DF 6432       | Blend of non ionic surfactants and high molecular weight polyols, APEO free.         | ✓                |     |                          |            |                    |                     |                    |                 |
| AGITAN® DF 6681       | Mixture of mineral oil and non ionic surfactants, APEO free.                         | ✓                |     |                          |            |                    |                     |                    |                 |
| AGITAN® DF 6685       | Blend of liquid hydrocarbons and non ionic emulsifiers, APEO free.                   |                  |     | ✓                        | ✓          | ✓                  | ✓                   |                    |                 |
| AGITAN® DF 6686 W     | Aqueous emulsion of vegetable oils, polyethers and non ionic emulsifiers, APEO free. |                  |     |                          |            |                    |                     | ✓                  |                 |
| AGITAN® DF 6698       | Aqueous emulsion of liquid hydrocarbons and non ionic emulsifiers, APEO free.        |                  |     |                          |            |                    |                     |                    | ✓               |
| AGITAN® DF 681 F      | Mixture of mineral oil and non ionic surfactants, APEO free.                         |                  | ✓   |                          |            | ✓                  | ✓                   |                    |                 |
| AGITAN® DF 691        | Mixture of mineral oil and non ionic surfactants, APEO free.                         |                  |     | ✓                        | ✓          |                    |                     |                    |                 |
| AGITAN® DF 999        | Blend of polyethers and non ionic emulsifiers, APEO free.                            | ✓                |     |                          |            |                    |                     |                    |                 |

**Defoamers AGITAN® DF**  
**Detergents / Wetting agents, surfactants and cleaners**

| Recommended use:                                 |                                                                       |                    |                  |                  |                               |                             |
|--------------------------------------------------|-----------------------------------------------------------------------|--------------------|------------------|------------------|-------------------------------|-----------------------------|
| Product name                                     | Description                                                           | Alkaline Scrubbing | Detergent Powder | Detergent liquid | Effluent Control Wash Systems | Filling Bottles, Containers |
| <b>Detergents:</b>                               |                                                                       |                    |                  |                  |                               |                             |
| AGITAN® DF 581 B                                 | Blend of light mineral oil and non ionic surfactants, APEO free.      |                    |                  |                  | ✓                             | ✓                           |
| AGITAN® DF 6054                                  | Aqueous emulsion of silicone and non ionic surfactants, APEO free.    |                    |                  |                  |                               | ✓                           |
| AGITAN® DF 6338                                  | Aqueous emulsion of silicone and non ionic surfactants.               |                    |                  |                  |                               | ✓                           |
| AGITAN® DF 6681                                  | Mixture of mineral oil and non ionic surfactants, APEO free.          | ✓                  |                  |                  |                               |                             |
| AGITAN® DF 691                                   | Mixture of mineral oil and non ionic surfactants, APEO free.          | ✓                  | ✓                | ✓                |                               |                             |
| Product name                                     | Description                                                           | Acid               | Caustic          | Anionic          | Cationic                      | Non-ionic                   |
| <b>Wetting agents, surfactants and cleaners:</b> |                                                                       |                    |                  |                  |                               |                             |
| AGITAN® DF 581 B                                 | Blend of light mineral oil and non ionic surfactants, APEO free.      | ✓                  |                  |                  |                               |                             |
| AGITAN® DF 6008                                  | Aqueous emulsion of mineral oil and non ionic surfactants, APEO free. |                    | ✓                |                  |                               |                             |
| AGITAN® DF 6054                                  | Aqueous emulsion of silicone and non ionic surfactants, APEO free.    | ✓                  | ✓                |                  |                               |                             |
| AGITAN® DF 6338                                  | Aqueous emulsion of silicone and non ionic surfactants.               | ✓                  | ✓                |                  |                               |                             |
| AGITAN® DF 6681                                  | Mixture of mineral oil and non ionic surfactants, APEO free.          |                    | ✓                | ✓                | ✓                             | ✓                           |
| AGITAN® DF 691                                   | Mixture of mineral oil and non ionic surfactants, APEO free.          | ✓                  | ✓                | ✓                | ✓                             |                             |