__ Product Data __

Dimethyl Silicone Fluids As Antifoam Agents TSF451 Series

TSF451 silicone fluids are dimethyl silicone fluids. They are colorless, transparent fluids and can be used as antifoam agents especially in non-aqueous foaming systems.

KEY FEATURES

- Low surface tension and good antifoaming property
- ♦ Chemical inertness
- Low viscosity grades provide good dispersibility and immediate effect
- High viscosity grades provide good long-term antifoaming performance
- Suitable for non-aqueous foaming systems

APPLICATIONS

- Defoaming in the petroleum industries
 - -Gas oil separation process
 - -Delayed coking process
 - -Vacuum distillation process
- Antifoam agents in the formulation of lubricants
 - -Motor oil, cutting oil, paint, ink, etc
- Antifoam agents in the formulation and manufacturing process
 - -Paint, ink

TYPICAL PROPERTY DATA

Grade	Specific Gravity (25°C)	Viscosity (25°C) mm²/s	Refractive Index (n _D ²⁵)	Pour Point °C	Surface Tension (25°C) mN/m
TSF451-50	0.960	50	1.402	max50	20.5
TSF451-100	0.968	100	1.403	max50	20.8
TSF451-200	0.969	200	1.403	max50	20.9
TSF451-300	0.970	300	1.403	max50	20.9
TSF451-350	0.970	350	1.403	max50	20.9
TSF451-500	0.971	500	1.404	max50	21.0
TSF451-1000	0.971	1,000	1.404	max50	21.1
TSF451-1500	0.971	1,500	1.404	max40	21.1
TSF451-2000	0.972	2,000	1.404	max40	21.2
TSF451-3000	0.972	3,000	1.404	max40	21.2
TSF451-5000	0.973	5,000	1.404	max40	21.3
TSF451-6000	0.973	6,000	1.404	max40	21.4
TSF451-1M	0.974	10,000	1.404	max40	21.4

TSF451-12500	0.975	12,500	1.404	max40	21.4
TSF451-2M	0.975	20,000	1.404	max40	21.4
TSF451-3M	0.975	30,000	1.404	max40	21.4
TSF451-5M	0.975	50,000	1.404	max40	21.4
TSF451-6M	0.975	60,000	1.404	max40	21.4
TSF451-10M	0.976	100,000	1.404	max40	21.4
TSF451-20M	0.976	200,000	1.404	max40	21.4
TSF451-30M	0.976	300,000	1.404	max40	21.4
TSF451-50M	0.976	500,000	1.404	max40	21.4

Typical property data values should not be used as specifications.

SOLUBILITY DATA

SOLVENT	SOLUBILITY		
Toluene	0		
Xylene	0		
Cyclohexane	0		
Petroleum ether	0		
Gasoline	0		
Kerosene	0		
Acetone	×		
Methanol	×		
Ethanol	×		
Isopropanol	Δ		
Methyl ethyl ketone	0		
Stearyl alcohol	Δ		
Polypropylene glycol	×		
Polyethylene glycol	×		
Liquid paraffin	×		
Olive oil	×		
Glycerin	×		
Water	×		

 x: insoluble

INSTRUCTION FOR USE

Generally, The product is added to the foaming solution by diluting with appropriate solvent before use for ease in use and good dispersion. The recommended usage level of the product is 1-100ppm.

HANDLING AND SAFETY

- Wear eye protection and protective gloves as required while handling the product.
- Use the product in a well ventilated area.

STORAGE

♦ Store in a cool and dry place out of direct sunlight.

Keep out of the reach of children.

PACKAGING

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GRADE	PACKAGING				
TSF451-50	1kg bottle (in cases of 10)	15kg can	-	200kg drum	
TSF451-100	1kg bottle (in cases of 10)	15kg can	-	200kg drum	
TSF451-200	1kg bottle (in cases of 10)	15kg can	-	200kg drum	
TSF451-300	1kg bottle (in cases of 10)	15kg can	-	200kg drum	
TSF451-350	1kg bottle (in cases of 10)	15kg can	18kg pail	200kg drum	
TSF451-500	1kg bottle (in cases of 10)	-	18kg pail	200kg drum	
TSF451-1000	1kg bottle (in cases of 10)	15kg can	18kg pail	200kg drum	
TSF451-1500	-	-	-	200kg drum	
TSF451-2000	1kg bottle (in cases of 10)	15kg can	18kg pail	200kg drum	
TSF451-3000	1kg bottle (in cases of 10)	15kg can	18kg pail	200kg drum	
TSF451-5000	1kg can (in cases of 10)	15kg pail	-	180kg drum	
TSF451-6000	1kg can (in cases of 10)	-	18kg pail	-	
TSF451-1M	1kg can (in cases of 10)	-	18kg pail	200kg drum	
TSF451-12500	-	-	18kg pail	180kg drum	
TSF451-2M	1kg can (in cases of 10)	-	18kg pail	180kg drum	
TSF451-3M	1kg can (in cases of 10)	15kg pail	-	200kg drum	
TSF451-5M	1kg can (in cases of 10)	-	-	180kg drum	
TSF451-6M	1kg can (in cases of 10)	-	18kg pail	180kg drum	
TSF451-10M	1kg can (in cases of 10)	-	18kg pail	200kg drum	
TSF451-20M	1kg can (in cases of 10)	15kg pail	-	-	
TSF451-30M	1kg can (in cases of 10)	-	18kg pail	180kg drum	
TSF451-50M	1kg can (in cases of 10)	-	18kg pail	180kg drum	

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FOR INDUSTRIAL USE ONLY

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