

# Methyl Phenyl Silicone Fluid For Heat Resistant Use

# TSF433

## PRODUCT DESCRIPTION

TSF433 is a silicone fluid containing diphenylsiloxy units and dimethylsiloxy units in the polymer skeleton. It has excellent high temperature stability and can be used from -30 to +280°C. TSF433 has also excellent radiation resistance and is capable of absorbing up to  $5 \times 10^8$  rads before gellation.

## KEY FEATURES

- ◆ Excellent thermal stability, both in closed and open air heating condition
- ◆ Excellent radiation resistance
- ◆ Transparent liquid: capable of visual check of inside heat transfer fluid

## TYPICAL APPLICATION

- ◆ Heat transfer fluid at high temperature condition
- ◆ Release and/or lubrication fluid at elevated temperature condition
- ◆ Radiation durable dumping fluid

## TYPICAL PRODUCT DATA

PROPERTIES		
Appearance		Transparent
Viscosity (25°C)	mm <sup>2</sup> /s {cSt }	450 {450}
Specific gravity (25°C)		1.073
Refractive index (n <sub>D</sub> <sup>25</sup> )		1.505
Silicone content	%	100
Pour point	°C	-30 max.
Flash point	°C	340
Weight loss (150°C, 24h)	%	0.2
Weight loss (200°C, 24 h)	%	0.6
Heat resistance (250°C, 1000 h)		No gellation
Heat resistance (300°C, 48 h)		No gellation
Max. radiation dosage with minimum change	rad	$1 \times 10^8$

*Typical property data values should not be used as specifications. Assistance and specifications are available by contacting GE Toshiba Silicones Commercial Office.*

# TSF433

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## HANDLING AND SAFETY

- ◆ Wear eye protection, protective gloves at all times when working with this product.
- ◆ Since the product is flammable, strictly prohibit the use of devices that may cause fire.

## STORAGE

- ◆ Store the product in a dark, cool place after closing the lid tightly.
- ◆ Keep out of the reach of the children.

## PACKAGING

- ◆ 1kg can available in case of 10
- ◆ 15kg can available
- ◆ 200kg drum available

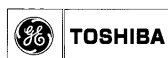
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Issued Aug. 2000

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### **FOR INDUSTRIAL USE ONLY**

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