



A Subsidiary of PETRONAS Chemicals Group

PRODUCT DATA SHEET

*BRB Silicone Oil
Dimethyl Fluids*

BRB International BV

PO Box 3552 NL-6017 ZH Thorn. Office: Europastraat 5 NL-6014 CD Ittervoort The Netherlands.

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BRB Silicone Oil



Description

BRB Silicone oils are polydimethylsiloxanes available in different viscosities.

Application

- **Release agent.**
Used purely or as a part of a compounded formula BRB Silicone Oil provides a non-toxic, non-carbonising mould release for rubber, plastics and metal die-castings.
- **Anti-foam agent.**
Very small quantities of the fluid are very effective as a foam control agent, especially in non aqueous systems.
- **Mechanical fluid.**
The very high viscosity-index, the thermal and chemical stability, shear-breakdown resistance and the rubber compatibility as well as the compressibility make this fluid outstanding for mechanical and hydraulic uses.
- **Lubricant.**
The fluid provides excellent lubricating properties for most plastic and elastomeric surfaces. Lubricity with metals depends upon the possible combinations such as P.T.F.E., MoS₂ and other lubricity improvers.
- **In polishes and chemical specialties.**
Silicone oil is used in most automobile and furniture polishes for its ease of application, high gloss with a minimum rubbing and durable water repellent film.
- **In electrical and electronic equipment.** *Because of the excellent dielectric properties silicone oil is widely used as an insulating and damping fluid.*

Features

- *Little change in physical properties over a wide temperature range.*
- *The fluids are thermally stable at 150°C for extended time intervals.*
- *Excellent water repellency.*
- *Low surface tension. The fluid readily wets clean surfaces to impart water repellency and release characteristics.*
- *Low toxicity.*

Benefits

- *Good foam builder*
- *Imparts soft silky feel to the hair*
- *Ensures smooth wet shaving foams*
- *Nonirritant to skin*

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Typical Data

Viscosity, cSt	Flashpoint, °C COC	Freezing point, °C	Specific gravity, 25 °C	Surface tension, mN/m	Refrac. index at 25 °C
0,65	-4	-67	0,760	15,9	1,375
1	40	-85	0,816	17,4	1,382
2	48	-90	0,830	18,1	1,387
5	136	-65	0,910	19,7	1,397
10	162	-65	0,930	20,1	1,399
20	230	-60	0,950	20,6	1,400
50	280	-55	0,959	20,7	1,402
100	>300	-55	0,965	20,9	1,403
200	>300	-50	0,970	21,0	1,403
350	>300	-50	0,970	21,1	1,403
500	>300	-50	0,970	21,1	1,403
1000	>300	-50	0,970	21,2	1,403
5000	>300	-50	0,975	21,4	1,403
10000	>300	-50	0,975	21,5	1,403
12500	>300	-50	0,975	21,5	1,403
30000	>320	-50	0,975	21,5	1,403
60000	>300	-50	0,975	21,5	1,403
100000	>300	-50	0,976	21,5	1,404
600000	>300	-40	0,976	21,5	1,404

A Product Safety Data Sheet should be obtained from your BRB office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

FOR MORE INFORMATION

Please contact

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IMPORTANT NOTICE

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