



Silicones

Powerful like a major, flexible like a formulator

BRB Silicone Oils Food Grade

Polydimethylsiloxane

Description

BRB Silicone Oils Food Grade are pure polydimethylsiloxane silicone fluids with food grade approvals over a wide range of viscosities:

- **BRB Silicone Oil 100 cSt Food Grade**
- **BRB Silicone Oil 350 cSt Food Grade**
- **BRB Silicone Oil 1000 cSt Food Grade**
- **BRB Silicone Oil 12500 cSt Food Grade**
- **BRB Silicone Oil 30000 cSt Food Grade**
- **BRB Silicone Oil 60000 cSt Food Grade**
- **BRB Silicone Oil 100000 cSt Food Grade**

Application

BRB Silicone Oils Food Grade are used as:

- Antifoam agents in lipophilic systems for the processing of vegetable oil (such as deep-frying oil), meat and poultry (such as fat rendering).
- Direct food additives in jams, soups, drinks...
- Surface treatment, anti rust film, release or lubrication agents in the manufacture of food-packaging materials and adhesives, in bottling and canning facilities where incidental contact with food may occur.
- Base materials in the production of food-grade antifoam compounds or emulsions
- Processing additives in other applications where a food-grade product is required

Features

- Excellent defoaming activity in non-aqueous media at very low concentration
- Prevents the adhesion of food or grease, protects against corrosion on food equipment.
- Safe on plastics and rubbers.
- Prevents build-ups of sugars and food, allowing for fast and easy cleanup.
- Little change in physical properties over a wide temperature range.
- Does not contain genetically modified organisms or materials of animal origin

Regulatory compliance

BRB Silicone Oils 350, 1000 and 12500 cSt Food Grade are listed in the **European Union Directive 95/2/EC** and amendments under **E 900** polydimethylsiloxane.

Warranty: The information given in this product data sheet are believed to be fully accurate. However, BRB International BV shall not be liable for its content and make no warranty with respect thereto. For additional information we request you to contact BRB International BV visit our web-site: www.brb-international.com



BRB Silicone Oils 100, 350, 1000, 12500, 30000, 60000 and 100000 cSt Food Grade are listed in the European Union Directive 90/128/EC relating to plastic materials and articles intended to come into contact with foodstuffs.

BRB Silicone Oils 100, 350, 1000, 12500, 30000, 60000 and 100000 cSt Food Grade comply with the recommendation "XV Silicones" of the BfR concerning the manufacture of essential commodities that have contact with food.

BRB Silicone Oils 350 and 1000 cSt Food Grade conform with FDA 21 CFR 173.340 (Defoaming Agents as a Secondary Direct Food Additive Permitted in Food for Human Consumption), but also in FDA 21 CFR 175.300, 176.210, 175.105, 76.170, 178.3120 and 177.1210.

BRB Silicone Oils 350 and 1000 cSt Food Grade are certified Kosher Parve, including Passover.

BRB Silicone Oils 350, 1000, 30000, 60000 and 100000 cSt Food Grade are registered InS H1 as lubricants, anti rust films or release agents with incidental food contact.

For more detailed information, please ask for **BRB Food Ingredient Declaration** or compliance certificates (Kosher, InS H1).

National regulations applicable in the countries concerned must be observed.

Typical Data

Viscosity, cSt	Flashpoint, °C COC	Freezing point, °C	Specific gravity, 25 °C	Surface tension, mN/m	Refrac. index at 25 °C
100	>300	-55	0,965	20,9	1,403
350	>300	-50	0,970	21,1	1,403
1000	>300	-50	0,970	21,2	1,403
12500	>300	-50	0,975	21,5	1,403
30000	>300	-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

How to Use

In non-aqueous food defoaming applications, start addition at a concentration that will not exceed 10 parts per million in the finished product and reduce the amount of **BRB Silicone Oil Food Grade** down to the minimum effective quantity.

BRB Silicone Oils Food Grade can be introduced into the foaming system as supplied or as a mixture with one of the components of the foaming system.



In food processing and packaging applications, **BRB Silicone Oils Food Grade** can be applied without dilution by wiping or spraying. Better lubrication and release are often obtained by applying a thin film after first diluting **BRB Silicone Oils Food Grade** with a food-grade solvent to a concentration of one half to three percent of silicone.

BRB Silicone Oils Food Grade has an unlimited useful life when stored at room temperature. The product does not freeze and there are no restrictions on storage.

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.