



# SF1202

## Description

SF1173 and SF1202 silicone fluids are mainly single component of volatile cyclic dimethyl siloxanes where SF1173 is primarily cyclotetrasiloxane, and SF1202 is primarily cyclopentasiloxane. SF1204, SF1256, 1257 and SF1258 silicone fluids are mixtures of cyclic dimethyl siloxanes where SF1204 is ~15% cyclopentasiloxane and ~85% cyclotetrasiloxane. SF1256 is ~25% cyclohexasiloxane and ~75% cyclopentasiloxane, SF1257 is ~30% cyclohexasiloxane and ~70% cyclopentasiloxane, and SF1258 is ~35% cyclohexasiloxane and ~65% cyclopentasiloxane.

## Key Features and Benefits

- Volatility
- Spreadability
- Lubricity
- Compatible with many organic materials, solvents
- Low surface tension and viscosity
- No oily residue
- Improves efficacy of antiperspirants
- Dry non-greasy feel
- Improves wet combing
- Greater flexibility in formulating cosmetic products
- Rapid and complete coating during particle treatment

## Typical Physical Properties

Property	SF1173	SF1202	SF1204	SF1256	SF1257	SF1258
Viscosity 25°C (77°F), cSt	2.4	4.1	2.5	4.5	4.8	5.0
Boiling Point, °C	175.8	210	175.8	212	214	216
Boiling Point, °F	348	410	348	~414	~417	~421
Flash Point, (closed cup) °C	~57	~76	62	82	82	83
Flash Point, (closed cup) °F	135	170	143.6	~180	~180	~181
Refractive Index 25°C (77°F)	1.3940	1.3960	1.3945	1.397	1.397	1.3973
Specific Gravity @ 25/25°C (77/77°F)	0.95	0.95	0.95	0.96	0.96	0.96
Freezing Point, °C	17.5	-40	11	< -40	< -40	< -40
Freezing Point, °F	64	-40	~52	< -40	< -40	< -40

## Potential Applications

- Antiperspirants
- Skin Care Products
- Sunscreen Products
- Hair Conditioners
- Facial Make-Up
- Particle Treatment

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at [www.ReinhardOil.dk](http://www.ReinhardOil.dk) or, upon request, from any Momentive Performance Materials (MPM) representative. **For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center.** Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

### Contact Information

For product prices, availability, or order placement, contact our customer service by calling [+45 70 26 70 07](tel:+4570267007).

For literature and technical assistance, visit our website at: [www.ReinhardOil.dk](http://www.ReinhardOil.dk)

### DISCLAIMER

The information provided herein was believed by Momentive Performance Materials Inc. (collectively with its subsidiaries, "Momentive") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product, and to determine the suitability of the product for user's intended application or use. All products supplied by Momentive are subject to Momentive's standard terms and conditions of sale. **MOMENTIVE MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY MOMENTIVE**, except that the product shall conform to Momentive's specifications. Nothing contained herein constitutes an offer for the sale of any product.

**Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.**