

Product Identification

Chemical Name:	Phenyltris(trimethylsiloxy)silane
INCI	Phenyl Trimethicone
CAS No.:	2116-84-9
Molecular Structure:	$(C_6H_5)_3Si[OSi(CH_3)_3]$
Equivalent:	

Product introduction

Moisil 356S Cosmetic grade silicone oil is a kind of polymethylphenylsiloxane, it can improve the performance of various cosmetic formulations. The product has excellent solubility in alcohol.

Features and benefits

- High purity
- Easy emulsification
- Good compatibility in cosmetic materials
- Antioxidant Activity
- Not greasy, easy to disperse. Let skin naturally soft
- Good viscous resistance
- Make your hair shinier, softer and easier to handle

Technical Specifications

Appearance	Colorless Transparent Liquid
Phenyltris(trimethylsiloxy)silane (%)	≥95
Density (25°C, g/cm ³)	0.9200-0.9400
Viscosity (25°C, mm ² /s)	3.5-4.0
Refractive Index (25°C)	1.4300-1.4400
D4 %	<0.10
D5 %	<0.10

Application guidelines

Moisil 356S cosmetic grade silicone oil is easy to emulsify. It can be easily emulsified by using standard emulsifier and conventional technology.

Shampoo: recommended dosage 0.5 – 5%.

Skin care products: cream, recommended dosage 0.5 – 2%, recommended dosage for protection 2 – 10%.

Shaving products: recommended dosage 1 – 3%.

Deodorant & antiperspirant: recommended dosage 5 - 10%.

Solubility

At room temperature, Moisil 356S Cosmetic grade silicone oil has high solubility in 95% ethanol. At 4°C, the solubility of this product in 95% ethanol is still 50%.

Compatibility

Material	Moisil356S	Material	Moisil356S
Water	I	Cosmetic	
Alcohols		Beeswax	C
Ethanol (95%)	C	Ilanolin	C
Ethanol (70%)	I	Mineral oil	C
Isopropanol	C	Solid paraffin	C
Isopropanol	I	Vaseline	C
Stearyl	C		C
Solvent & propellant		Glycerin	I
Aliphatic	C		

If water dispersibility is required, silicone oil can be emulsified.

Test ratio: 10:1, 1:1 和 1:10.

C= Compatible, I= Incompatible.

Regulatory status

Moisil 356S Cosmetic grade silicone oil is classified as CLS category in JSCI with the chemical name of polymethylphenylsiloxane and the code of 104207:1-111: unlimited.

Operation precautions

This product should not be used in aerosol. Please refer to the linked aerosol guidance document for further information release through the environmental, health and Safety Center for silicone (sehsc). This document does not contain product safety information required for safe use. Before use, please read the product and its safety data sheet as well as the container label to understand the information about the safe use of the product and the hazards to the body and health.

Storage and effectiveness

When stored in unopened original packaging at a temperature of 35 ° C and below, the product is valid for 30 months from the date of manufacture.

Packaging

Products are available in 18 kg barrels and 180 kg barrels. The sample is in 500 ml bottle.

Usage restriction

This product has not been tested or stated to be suitable for medical or medicinal use.

Company Information

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(For additional product information, please contact your designated Sales Representative)

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The information provided in this Product Bulletin is believed to be accurate and reflective of the product's typical characteristics and potential applications. However, any usage suggestions provided are solely for reference and should not be construed as authorization to violate any domestic or international patents. It is the responsibility of user to conduct comprehensive testing under actual application conditions to verify the product's performance, compatibility, safety, and handling requirements.