

## Product Information

### Personal Care Products-

#### Amino Phenyl Modified Silicone

##### Product Features:

- Long-lasting brightness, effective improvement of hair gloss
- Low surface tension, enhance hydrophobicity of hair surface
- Increase greatly the flexibility of hair fiber, enrich hand feeling
- Reduce resistance when dry or wet combing, repair damaged hair
- Compared with generate amino silicone oils, provide a better compatibility with system
- No stickiness, anti-static

##### Product Advantages:

- High refreshing smoothness, high gloss
- High resilience, increase flexibility of fiber
- High reactivity and be strongly absorbed, increase color stability
- Phenyl group contained, with good UV protection performance

##### Product Applications:

- **Hair Care Products**  
Shampoo, hair conditioner, hair dye, hairdressing gel treatment.  
Leave-on and hair styling products (such as spraying glossy agent, paste and cream, lotion and hair repair mask)
- **Car, Furniture Care Products**

##### Limited Liability

This information is based on the test of **Silok** and was considered to be correct; It cannot supersede the assessments and testing that users need to do before using this product; **Silok** can only guarantee the sell products to meet the constituted sales standard; and the only responsibility of **Silok** for breach of warranty is as follows: replacement of an equivalent product or refund the purchase price; **Silok** expressly declares not responsible for the loss of accidental or incidental.

## SiCare-2420

### Amino Phenyl Silicone Oil

INCI: Aminopropyl Phenyl Trimethicone

##### Product Description:

It is a low molecular weight silicone polymer containing amino phenyl functional group, with good reactivity and excellent adsorption. Compared with amino silicone in common structure, it can provide higher and longer-lasting gloss with lower stickiness. With better conditioning performance, thermal protection and color preservation, it is better compatible with other components.

##### Typical Physical Properties:

The data based on Silok internal testing for reference only.

Parameter	Value
Appearance	Lith yellow transparent liquid
Viscosity cps (25°C)	30-100
Density g/cm <sup>3</sup> (25°C)	0.99
Solid content (120°C*2h)	≥90.00
Refractive index n <sub>D</sub> <sup>25</sup>	1.4350±0.0050
Nitrogen content %	0.3
Flash point °C	75
Freezing point °C	<-15

##### Application Method:

It is suggested to add into oil phase system of cosmetics, then to be emulsified. Recommended dosage in hair care products is 0.5% -2%. For transparent oil formula, SiCare-2420 can be dissolved completely in only small quantity of ethanol. For aqueous system, add into oil phase to formulate into emulsion or cream.

**Similar Model and Function:**

Function\ Model	2420	2422	2428
Structure	Amino phenyl	Amino terminated	Amino Terminated and Side-chain Amino
Appearance	Light yellow transparent	Colorless Transparent	Colorless Transparent
Nitrogen content%	0.3	0.05	0.35
Viscosity cps	80	5,000	200
Smoothness	★★★★	★★★★★	★★★★
Freshness	★★★★	★★★★	★★★
Elasticity	★★★	★★★★	★★★★★
Hair repairing	★★★★	★★★★	★★★★★
Gloss	★★★★★	★★★★	★★★
Softness	★★★★	★★★	★★★★★

**Conclusion:**

All the foresaid models are special amino silicone oils; **2420** containing phenyl, with the best gloss; **2422** containing amino terminated, with the best dry smoothness; **2428** containing amino terminated and side-chain amino, with the highest elasticity.

**Use Restriction:**

The product is untested or unstated to be edible, medical or pharmaceutical.

**Transport:**

Non-flammable, transport as conventional transport rules.

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**SiCare-2420 Compatibility of Common Cosmetic**
**Components:**

Component	Tested Result
<b>Esters</b>	
GTCC	C
Isopropyl myristate	C
Isopropyl palmitate	C
<b>Fatty alcohol /acid</b>	
Lauryl alcohol	I
Ethanol	C
Propylene glycol	I
Mineral oil	C
<b>Vegetable oil</b>	
Decyl oil	I
Soybean oil	I
Sesame oil	I
Jjoba oil	C
<b>Silicone oil</b>	
Dimethicone, 50cst	C
Cyclopentasiloxane (D5)	C
Alkyl silicone oil, SiCare-2340	C
Phenyl silicone oil, SiCare-2500	C

**Remark: SiCare-2420 proportion is 10%**

**C= Compatible I=Incompatible**

**Storage and Validity:**

Unopened stored at normal temperature, the shelf -life is 24 months since its date of production.

**Sample Package: 125ml Colorless Glass Bottle**

**Product Package: 25kg Plastic Drum**