

**MIRASIL®
CM5 L**

技术数据表 n°3 Q/XHCJ 077018-2017- Dec./2018

概述	<p>C.T.F.A. / I.N.C.I. 命名: 环五聚二甲基硅氧烷</p> <p>CAS : 541-02-6</p> <p>MIRASIL®CM5 L 是一种挥发性的聚二甲环硅氧烷, 主要由十甲基环五硅氧烷组成。产品清亮, 无味, 基本无嗅, 无油腻。</p>																																		
用途	<p>MIRASIL®CM5 L 由于其具有挥发性, 可以提供丝滑般的感觉, 与多种化妆品成分相容性好, 低结晶温度, 良好的铺展性。可以广泛应用于以下化妆品中:</p> <ul style="list-style-type: none"> • 止汗剂, 除臭剂: 活性盐的瞬时性载体; • 头发护理: 提高湿梳性, 同时也不会留下残渣; • 皮肤护理: 非粉刺原的软化剂和药物载体; • 香水: 释放香味和提供皮肤光滑的非冰凉感的感觉。 <p>MIRASIL®CM5 L 符合美国药典中非挥发要求:</p> <p>推荐使用量分别为:</p> <ul style="list-style-type: none"> • 止汗剂, 除臭剂: 3-10%; • 头发护理: 1-5%; • 皮肤护理: 3-10%; <p>香水: 0.5-3%。</p>																																		
优点	<p>MIRASIL®CM5 L 具有下列性能:</p> <ul style="list-style-type: none"> • 为皮肤带来柔软丝滑感; • 良好的铺展性; • 防粘; • 不油腻; 																																		
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MIRASIL® CM5 L

十甲基环五硅氧烷(D5)含量, %	≥99.00
十甲基环五硅氧烷 (D5)+ 十二甲基环六硅氧烷(D6) 含量, %	≥99.70
酸值 (NaOH 0.01N/2g, ml)	<0.15
水分	<250
苯基化合物 (DO)	<0.20
水溶性, 0.1g 溶解在 10ml 水中, 25°C	不溶
纯酒精中的溶解性 25°C(1.0 g 溶解在 10ml 酒精中)	可溶
可溶于: 乙基, 丁基醋酸, 乙醇, 异丙醇。	
不溶于: 水和乙二醇。	

请注意: 典型物性不能用于制定规格。制定本产品规格前, 请先联系当地销售部门。

包装**MIRASIL®CM5 L**

-200L 铁桶装, 净重 190KG。

特殊包装 (要求)

-950KG, IBC 包装,

-19-20T, 槽罐散装

-24-28T, 槽罐散装

储存与有效期

在 5°C~30°C 条件下保存在原装密闭容器中, **MIRASIL®CM5 L** 的标准有效期是从生产日期起 3 年。请参考包装上的储存建议和失效日期。超过这个日期后, 埃肯有机硅将不再保证产品符合销售的指标。

安全

请参考 **MIRASIL®CM5 L** 的安全数据表 (MSDS)。

请访问我们的网站: www.lxxh.chemchina.com

Contact:

地址: 星火工业园, 永修, 江西, 中国; 邮编: 330319

电话: +86-792-3171301 传真: +86-792-3171243

Email: xhcyxs@bluestar.chemchina.com

或访问我们的网站: www.silicones.elkem.com

EUROPE

Elkem Silicones France
21 Avenue Georges Pompidou
F69486 Lyon Cedex 03
FRANCE
Tel. (33) 4 72 13 19 00
Fax (33) 4 72 13 19 88

NORTH AMERICA

Elkem Silicones USA
2 Tower Center Boulevard
Suite 1601
East Brunswick, NJ 08816-1100
United States
Tel. (1) 732 227-2060
Fax. (1) 732 249-7000

LATIN AMERICA

Elkem Silicones Brazil Ltda.
Av. Duquesa de Goiás, 716
2º andar
05680-002 Sao Paulo
Brazil
Tel. (55) 11 4380-6900

ASIA PACIFIC

Elkem Silicones (Shanghai)
Co. Ltd.
3966, Jindu Road, Xinzhuang
Industrial Zone, Shanghai
Tel. (86) 21 5442 6600
Fax (86) 21 5442 3733

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**MIRASIL®
CM5 L**

Technical Data Sheet n° 3 Q/XHCJ 077019-2017– Dec./2018

Description	C.T.F.A. / I.N.C.I. Name: Cyclopentasiloxane CAS N° 541-02-6																																								
Applications	<p>MIRASIL®CM5 L is volatile polymethylsiloxane fluids, Mainly contains decamethylcyclopentasiloxane. It is colorless, tasteless, essentially odorless and non-greasy.</p> <p>MIRASIL®CM5 L is used for a wide range of personal care applications because of its volatile nature, provide a soft silky feel, compatible with a wide range of cosmetic ingredients, lower crystallization point and spreading properties:</p> <ul style="list-style-type: none"> • Antiperspirants, deodorants: is transient carrier for active salts • Hair care: improves wet combing, yet leaves no residue • Skin care: non-comedogenic emollient and carrier • Perfumes: delivers fragrance and gives skin a smooth non-cooling feel <p>MIRASIL®CM5 L complies with the non-volatiles requirements of US Pharmacopoeia.</p> <p>Recommended use levels:</p> <ul style="list-style-type: none"> • Antiperspirants, deodorants : 3-10%; • Hair care: 1-5%; • Skin care: 3-10%; • Perfumes: 0.5-3%. 																																								
Advantages	<p>MIRASIL®CM5 L has the following properties:</p> <ul style="list-style-type: none"> • Imparts soft silky feel to the skin • Excellent spreading • Detackification • Non-greasy 																																								
Characteristics	<table border="0"> <tr> <td>Appearance</td> <td>Clear colourless liquid</td> </tr> <tr> <td>Color, Hazen.....</td> <td>< 20</td> </tr> <tr> <td>Turbidity, NTU</td> <td>< 4</td> </tr> <tr> <td>Viscosity at 25 °C, mm²/s, approx.</td> <td>3.9</td> </tr> <tr> <td>Specific gravity at 25°C, approx.</td> <td>0.95</td> </tr> <tr> <td>Heavy metals, %, Pb</td> <td>< 0.0005</td> </tr> <tr> <td>Fluorescence for mineral oil</td> <td><0.10</td> </tr> <tr> <td>Surface tension at 25°C, mN/m, approx.</td> <td>18.3</td> </tr> <tr> <td>Odor.....</td> <td>None to slight</td> </tr> <tr> <td>Flash point (Closed cup) , °C, approx.</td> <td>80</td> </tr> <tr> <td>Boiling point at 101.3kpa, °C, approx.</td> <td>210</td> </tr> <tr> <td>Crystallization point, °C, approx.</td> <td>- 40</td> </tr> <tr> <td>Vapour pressure at 20°C,kpa.....</td> <td>0.025</td> </tr> <tr> <td>Volatility evaporation rate (g/min), NF 30-302,at 80°C</td> <td>0.075</td> </tr> <tr> <td>Volatility evaporation time (sec), DIN 53-170,at 23°C</td> <td>8400</td> </tr> <tr> <td>Refractive index at 25°C, approx.</td> <td>1.395</td> </tr> <tr> <td>Cyclotetrasiloxane (D4) content, %</td> <td><0.10</td> </tr> <tr> <td>cyclopentasiloxane (D5) content, %</td> <td>≥99.00</td> </tr> <tr> <td>cyclopentasiloxane (D5) + CYCLOHEXASILOXANE(D6) content, %</td> <td>≥99.70</td> </tr> <tr> <td>Acidity (in NaOH 0.01N, ml) for neutralization of 2g product</td> <td><0.15</td> </tr> </table>	Appearance	Clear colourless liquid	Color, Hazen.....	< 20	Turbidity, NTU	< 4	Viscosity at 25 °C, mm ² /s, approx.	3.9	Specific gravity at 25°C, approx.	0.95	Heavy metals, %, Pb	< 0.0005	Fluorescence for mineral oil	<0.10	Surface tension at 25°C, mN/m, approx.	18.3	Odor.....	None to slight	Flash point (Closed cup) , °C, approx.	80	Boiling point at 101.3kpa, °C, approx.	210	Crystallization point, °C, approx.	- 40	Vapour pressure at 20°C,kpa.....	0.025	Volatility evaporation rate (g/min), NF 30-302,at 80°C	0.075	Volatility evaporation time (sec), DIN 53-170,at 23°C	8400	Refractive index at 25°C, approx.	1.395	Cyclotetrasiloxane (D4) content, %	<0.10	cyclopentasiloxane (D5) content, %	≥99.00	cyclopentasiloxane (D5) + CYCLOHEXASILOXANE(D6) content, %	≥99.70	Acidity (in NaOH 0.01N, ml) for neutralization of 2g product	<0.15
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MIRASIL® CM5 L

Moisture <250
 Phenyl compounds (DO) <0.20
 Solubility in water, 0.1g in 10ml at 25°C non miscible
 Solubility in pure ethanol at 25°C(1.0 g in 10ml) miscible

Soluble in:

Ethyl, Butyl acetates, Ethanol, Isopropanol.

Insoluble in:

Water and Ethylene Glycol.

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

MIRASIL®CM5 L

-200L iron drum, net weight 190kg

Packaging

SPECIAL PACKAGING (on request)

-950kg, IBC packing
 -19-20T, Tanks in bulk
 -24-28T, Tanks in bulk

Storage and shelf life

When stored in its original packaging at a temperature between +5°C~ +30 °C, **MIRASIL®CM5 L** may be stored for up to 36 months from its date of manufacture.

Comply with the storage instructions and expiry date marked on the packaging.

Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

Safety

Please consult the Safety Data Sheet of **MIRASIL®CM5 L**.

Visit our website: www.lxxh.chemchina.com

Contact:

Address: Xinghuo Industrial Park, Yongxiu, Jiangxi, P. R. China Post code: 330319
 Tel.: +86-792-3171301 Fax: +86-792-3171243
 Email: xhcyxgs@bluestar.chemchina.com

Or visit our website: www.silicones.elkem.com

EUROPE

Elkem Silicones France
 21 Avenue Georges Pompidou
 F69486 Lyon Cedex 03
 FRANCE
 Tel. (33) 4 72 13 19 00
 Fax (33) 4 72 13 19 88

NORTH AMERICA

Elkem Silicones USA
 2 Tower Center Boulevard
 Suite 1601
 East Brunswick, NJ 08816-1100
 United States
 Tel. (1) 732 227-2060
 Fax. (1) 732 249-7000

LATIN AMERICA

Elkem Silicones Brazil Ltda.
 Av. Duquesa de Goiás, 716
 2º andar
 05680-002 Sao Paulo
 Brazil
 Tel. (55) 11 4380-6900

ASIA PACIFIC

Elkem Silicones (Shanghai)
 Co. Ltd.
 3966, Jindu Road, Xinzhuang
 Industrial Zone, Shanghai
 Tel. (86) 21 5442 6600
 Fax (86) 21 5442 3733

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