

TECHNICAL DATA SHEET

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| Product Name: | DECAMETHYLCYCLOPENTASILOXANE (D5) | |
| CAS Number: | 541-02-6 | |
| Molecular formula: | C ₁₀ H ₃₀ O ₅ Si ₅ | |
| Application Areas: | <p>Decamethyl Cyclopentasiloxane Widely used in cosmetics and body care products, compatible with most alcohol and other cosmetic solvents.</p> <p>Hair care: reduce drying time, reduce sticky feeling, carding - wet.</p> <p>Skin care: no irritation, no blockage, easy to smear, reduce greasy feeling and absorb quickly.</p> <p>Deodorant and deodorant: reduce adhesion, leaving no mark on the surface of the garment and increasing the smoothness.</p> | |
| Typical Datas: | Appearance: | Colorless, transparent, no odor, no free water, no mechanical impurities of the liquid |
| | Content of Decamethylcyclopentasiloxane(%): | ≥99 |
| | Content of Octamethylcyclotetrasiloxane(%): | ≤0.94 |
| | Non-volatile matter(%): | ≤0.15 |
| | Chromaticity: | Hazen unit≤10 |
| | Refractive index (25°C): | 1.390~1.403 |
| | Density(25°C)g/cm: | 0.96 |
| | Viscosity(25°C)/cst: | 3.824 |
| Storage & Conditions: | Store in a cool, dry, well-ventilated area and keep away from oxidant, acid and alkali. The storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment. Handling according to hazardous substances. Be careful when loading and unloading to avoid damages of the package. | |
| Packaging: | Packed in 200L iron drum or plastic drum (N.W.190kg) or packed in International Bulk Container, net weight 950kg/IBC or ISO TANK. | |
| Health & Safety: | The mixture of steam and air is explosive. An explosive mixture is easily formed in the air, which is easy to accumulate and may be ignited in the air; to avoid possible fire hazards by grounding, parallel or inert gas protection. | |
| Shelf Life: | 12 months | |