

### ChangFu® D4H

2,4,6,8-Tetramethylcyclotetrasiloxane



**Description** ChangFu® D4H is a hydrogen containing siloxane composed of four methyl substituents attached to a cyclic siloxane backbone. It is an important cyclic monomer which can be used in semiconductors, microelectronics, and other advanced applications.

**Features & Benefits** Cyclic siloxane monomer.  
Can form hybrid inorganic-organic polymers.  
Can be utilized as a silane reducing agent.

**Applications** Used to prepare polymethylhydrosiloxane and modified siloxane with specific hydrogen content and number of chain links, such as high hydrogen containing silicone oil.  
Used for the synthesis of side chain polysiloxanes and side chain modified silicone oils, such as long-chain alkyl silicone oil, polyether silicone oil, epoxy silicone oil, and amino silicone oil.  
Used as a crosslinking agent for preparing high-temperature vulcanized silicone rubber and addition-cure liquid silicone rubber.  
Used as an impregnating agent for optoelectronic materials and a precursor for plasma vapor deposition to prepare silicon dioxide and silicon carbide insulating films.

#### Typical Properties

|             |   |
|-------------|---|
| Product No. | ChangFu® D4H  |
| Description | 2,4,6,8-Tetramethylcyclotetrasiloxane                         |
| CAS No.     | 2370-88-9   |
| Formula     | C <sub>4</sub> H <sub>16</sub> O <sub>4</sub> Si <sub>4</sub> |
| Purity      | min 95%   |
| Color       | Colorless or light yellow                                     |
| Appearance  | Clear liquid  |

**Package** Offered in 25L pails and 200L drums.  
Custom packaging is available.

**Storage** Stored in a cool, well-ventilated place.  
Keep container tightly closed.

**Transportation** See the corresponding Safety Data Sheet.