

# SEMICOSIL<sup>®</sup> 6C2S

## Silanes

SEMICOSIL<sup>®</sup> 6C2S is hyperpure Hexachlorodisilane.

Empirical formula  $\text{Cl}_6\text{Si}_2$  | Molecular weight 269

## Properties

- ultra high purity
- low metal content

## Technical data

### General Characteristics

| Property                       | Condition | Value                                       | Method |
|--------------------------------|-----------|---|--------|
| Appearance                     | -         | colorless, clear liquid                     | -      |
| Boiling point                  | -         | 145 °C                                      | -      |
| Density                        | 25 °C     | 1.56 g/cm <sup>3</sup>                      | -      |
| Hexachlorodisilane             | -         | > 99.5 %                                    | -      |
| Hexachlorodisiloxane           | -         | < 0.05 %                                    | -      |
| Melting point                  | -         | -1 °C                                       | -      |
| Metallic impurities Individual | -         | < 15.0 ppb                                  | -      |
| Metallic impurities Total      | -         | < 100.0 ppb                                 | -      |
| Solubility                     | -         | Soluble in most common organic solvents g/l | -      |
| Tetrachlorosilane              | -         | < 0.2 %                                     | -      |

These figures are only intended as a guide and should not be used in preparing specifications.

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## Applications

- Products for the Semiconductor Industry

## Application details

SEMICOSIL® 6C2S was developed for the semiconductor industry, e.g. as precursor for low temperature deposition processes.

## Packaging and storage

### Storage

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## QR Code SEMICOSIL® 6C2S



**For technical, quality or product safety questions, please contact:**

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