



Technical Data Sheet

DOWSIL™ Z-1218 Methylchlorosilane

Chlorosilane intermediate for siloxane manufacture

Features & Benefits

- High purity

Composition

- Methylchlorosilane fluid

Applications

- Reactive intermediate
- Synthesis of silanes and siloxanes
- Pyrolysis to form Si-C coatings

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

CTM ¹	Property	Unit	Result
0176	Appearance		Colorless to straw-yellow liquid
1100	Specific Gravity at 25°C (77°F)		1.11
0124	Freezing/Melting Point	°C (°F)	-91.5 (-132.7)
0676	Boiling Point	°C (°F)	41.3 (106.3)
0021A	Flash Point, Closed Cup	°C (°F)	-28.0 (-18.4)
1100	Vapor Pressure at 25°C (77°F)	kPa	42.8
1100	Viscosity	mm ² /s	0.32
1067	VOC Content	g/L	1110
1051	CH ₃ SiHCl ₂ Composition	%	> 99
1100	SiH as H	%	0.9

1. CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances. Copies of CTMs are available upon request.

Description

DOWSIL™ Z-1218 Methylchlorosilane has the chemical formula:



with a molecular weight of 115.

Responsible Care

Our industry creates products and services that make life better for people around the world – both today and tomorrow. The benefits of our industry are accompanied by enduring commitments to Responsible Care in the management of chemicals worldwide.

We will make continuous progress toward the vision of no accidents, injuries or harm to the environment and will publicly report our global health, safety and environmental performance. We will lead our companies in ethical ways that increasingly benefit society, the economy and the environment while adhering to the Responsible Care Guiding Principles.

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

Product should be stored between -29 and 54°C (-20 and 129°F) in original, unopened containers.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Not intended for human injection. Not intended for food use.

**Shipping
Limitations**

Ground and ocean transport only; air transport is not permitted.

DOT Hazard Class: 4.3

IMDG Hazard Class: 4.3 :3,8

**Health and
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, consumer.dow.com or consult your local Dow representative.

consumer.dow.com

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