

DOW CORNING® Z-6079

Silane

FEATURES

- Does not liberate hydrochloric acid during reaction
- Offers temporary or permanent blockage of reactive sites
- Improved synthesis yields

Hexamethyldisilazane

APPLICATIONS

- Temporary modification of organic intermediates to make chemical processing reactions possible or more efficient (Silylation).
- Permanent incorporation of silicon chemicals into finished products to modify physical and chemical properties.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Parameter	Unit	Value
Structure		Me.SiNHSi Me...
Boiling point	°C	124
Molecular weight		161
Flash point	°C	9
Colour	APHA	20
Specific gravity at 25°C (77°F)		0.77
Purity	%	96
Boiling point at 760mm Hg	°C	125

DESCRIPTION

DOW CORNING Z-6079 Silane is useful in protecting OH and -SH functionality of complex molecules, permitting other sites to be selectively reacted.

Reaction formula for Z-6079:



The ammonia evolved from this reaction may be removed by performing the silylation reaction at reflux temperature (124°C) and boiling off the gas.

HANDLING PRECAUTIONS

DOW CORNING Z-6079 Silane is flammable and causes burns. Keep away from heat and open flame. Wear gloves and goggles. In case of contact with skin and eyes flush immediately

with water and obtain medical attention. Vapour may irritate - ensure adequate ventilation.

DOW CORNING Z-6079 Silane has a flash point of 9°C and must be kept away from heat and open flames.

PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED.
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 FROM YOUR LOCAL
DOW CORNING SALES
REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 35°C in the original unopened containers, this product has a usable life of 36 months from the date of production.

LIMITATIONS

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

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.