

Ketik Nama Produk, Nomor Produk, atau Nomor CAS untuk melihat saran.



Products > Analytical Chemistry > D134651

D134651

 [Bagikan](#)

Dimethoxymethane

ReagentPlus®, 99%

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Sinonim: Formaldehyde dimethyl acetal, Methylal

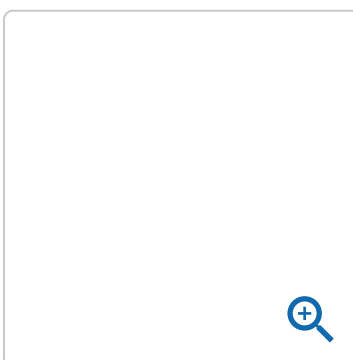


Foto (3)

[Masuk](#) untuk Melihat Harga Organisasi & Kontrak.

Pilih Ukuran

100 ML Rp 1.156.000,00	1 L Rp 1.856.000,00	2.5 L Rp 4.285.000,00	18 L Rp 13.521.000,00
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D134651-100ML

Rp 1.156.000,00

 Pemenuhan dan pengiriman tertunda

—

1

+

Tambahkan ke Trolis

Minta Pesanan Massal

About This Item

Rumus Linier:	$\text{CH}_2(\text{OCH}_3)_2$
CAS Number:	109-87-5
Berat Molekul:	76.09
UNSPSC Code:	12352100
NACRES:	NA.21
PubChem Substance ID:	24893265
EC Number:	203-714-2
Beilstein/REAXYS Number:	1697025
MDL number:	MFCD00008495
Assay:	99%
Bp:	41-42 °C (lit.)
Vapor pressure:	6.38 psi (20 °C)

Dokumen Kunci

COA

COO

Lihat Semua Dokumentasi

Loncat ke

[Properti](#)

[Deskripsi](#)

[Bandingkan Produk Sejenis](#)

[Informasi Keselamatan](#)

[Dokumentasi](#)

[Makalah yang Ditinjau Sejawat](#)

[Pertanyaan & Jawaban](#)

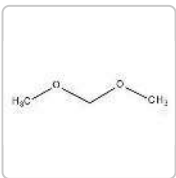
[Ulasan](#)

Layanan Teknis

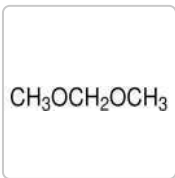
Butuh bantuan? Tim kami yang terdiri dari para ilmuwan berpengalaman siap membantu Anda.

[Biarkan Kami Membantu](#)

Produk yang Direkomendasikan



Sigma-Aldrich
8.06017
Formaldehyde
dimethyl acetal



Sigma-Aldrich
47649
Formaldehyde
dimethyl acetal

Tampilan Cepat

Tampilan Cepat

Properti

Product Name	Dimethoxymethane, <i>ReagentPlus</i> [®] , 99%
InChI	1S/C3H8O2/c1-4-3-5-2/h3H2,1-2H3
InChI key	NKDDWNXOKDWJAK-UHFFFAOYSA-N
SMILES string	COCOC
vapor density	2.6 (vs air)
vapor pressure	6.38 psi (20 °C)
product line	<i>ReagentPlus</i> [®]

assay	99%
form	liquid
autoignition temp.	459 °F
expl. lim.	17.6 %
dilution	(for general lab use)
refractive index	<i>n</i> _{20/D} 1.354 (lit.)
bp	41-42 °C (lit.)
mp	-105 °C (lit.)
density	0.86 g/mL at 25 °C (lit.)
Quality Level	200

Deskripsi

Application

Dimethoxymethane (Formaldehyde dimethyl acetal) may be used in the synthesis of methoxymethyl (MOM) ethers.^{[1][2][3]} It may also be used as an external cross-linker to form microporous polymers.^[4]

General description

Dimethoxymethane (DMM, methylal) is a biodegradable dimethyl acetal. It can be synthesized by acid catalyzed condensation of formaldehyde with methanol. It is amphiphilic in nature with low viscosity, surface tension and boiling point. It is a flammable, highly volatile solvent with good dissolving power.^[5] DMM is considered as a potential alternative fuel and fuel additive due to its high oxygen content and its ability to enhance the combustion characteristics of diesel and petrol. Its thermal diffusivity has been determined by photoacoustic method.^[6] Analysis of the molecular structure of DMM by electron diffraction technique shows that it has C_2 symmetry with a *gauche-gauche* conformation.^[7]

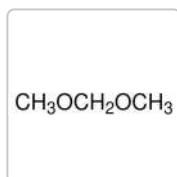
Legal Information

ReagentPlus is a registered trademark of Merck KGaA, Darmstadt, Germany

Bandingkan Produk Sejenis

Tampilkan Perbedaan ☐

Item ini



Sigma-Aldrich

D134651

Dimethoxymethane

Tampilan Cepat

Quality Level

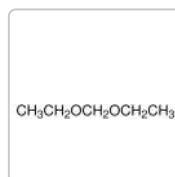
200

assay

99%

form

liquid



Sigma-Aldrich

538280

Diethoxymethane

Tampilan Cepat

Quality Level

200

assay

99.7%

form

liquid

Item ini expl. lim. 17.6 %	expl. lim. 8 %
refractive index n20/D 1.354 (lit.)	refractive index n20/D 1.373 (lit.)
bp 41-42 °C (lit.)	bp 87-88 °C (lit.)

Informasi Keselamatan

pictograms



GHS02

signalword

Danger

hcodes

H225

pcodes

**P210 - P233 - P240 -
P241 - P242 - P243**

**Hazard
Classifications**

Flam. Liq. 2

supp_hazards

EUH019

Kelas

Penyimpanan

3 - Flammable
liquids

wgk

WGK 1

flash_point_f

-0.4 °F - closed cup

flash_point_c

-18 °C - closed cup

ppe

Eyeshields,
Faceshields, Gloves

Dokumentasi



Sertifikat Analisis **Sertifikat Asal** **Lebih Banyak Dokumen**

Pilih salah satu versi terbaru:

Sertifikat Analisis (COA)

Nomor Lot/Batch

[MKCZ3212](#)

[SDBB2146](#)

[STBK5987](#)

[STBK1803](#)

[MKCN4287](#)

Tidak melihat Versi yang Tepat?

Jika Anda memerlukan versi tertentu, Anda dapat mencari sertifikat tertentu berdasarkan nomor Lot atau Batch.

[Mencari COA](#)

Sudah Memiliki Produk Ini?

Temukan dokumentasi untuk produk yang baru saja Anda beli di Perpustakaan Dokumen.

[Kunjungi Perpustakaan Dokumen](#)

Makalah yang Ditinjau Sejawat

The molecular structure of dimethoxymethane.

Astrup EE.

Acta Chemica Scandinavica, 27(9), 3271-3276 (1973)

A photoacoustic study on Dimethoxymethane.

Bama GK and Ramachandran K.

AIP Conference Proceedings, 1004, 191-191 (2008)

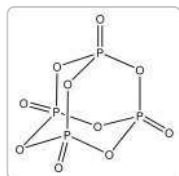
A new strategy to microporous polymers: knitting rigid aromatic building blocks by external cross-linker.

Li B, et al.

Macromolecules, 44(8), 2410-2414 (2011)

[Lihat Semua Makalah Terkait](#)

Pelanggan Juga Dilihat



Sigma-Aldrich

214701

Phosphorus pentoxide

Tampilan Cepat

Kategori Terkait

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[Analytical Chromatography](#)

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[Solvents](#)



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0

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2

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Questions

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1-2 of 2 Questions

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Anonymous · 7 months ago

1

answer

How can I determine the shelf life / expiration / retest date of this product?

Technical Support · 7 months ago

If this product has an expiration or retest date, it will be shown on the Certificate of Analysis (COA, CofA). If there is no retest or expiration date listed on the product's COA, we do not have suitable stability data to determine a shelf life. For these products, the only date on the COA will be the release date; a retest, expiration, or use-by-date will not be displayed.

For all products, we recommend handling per defined conditions as printed in our product literature and website product descriptions. We recommend that products should be routinely inspected by customers to ensure they perform as expected.

For products without retest or expiration dates, our standard warranty of 1 year from the date of shipment is applicable.

For more information, please refer to the Product Dating Information document:

<https://www.sigmaaldrich.com/deepweb/assets/sigmaaldrich/marketing/global/documents/418/501/product-dating-information-06-25-mk.pdf>

Helpful? **Yes · 0** **No · 0** **Report**

Anonymous · 11 months ago

1
answer

How is shipping temperature determined? And how is it related to the product storage temperature?

Technical Support · 11 months ago

Products may be shipped at a different temperature than the recommended long-term storage temperature. If the product quality is sensitive to short-term exposure to conditions other than the recommended long-term storage, it will be shipped on wet or dry-ice. If the product quality is NOT affected by short-term exposure to conditions other than the recommended long-term storage, it will be shipped at ambient temperature. As shipping routes are configured for minimum transit times, shipping at ambient temperature helps control shipping costs for our customers. For more information, please refer to the Storage and Transport Conditions document: <https://www.sigmaaldrich.com/deepweb/assets/sigmaaldrich/marketing/global/documents/316/622/storage-transport-conditions-mk.pdf>

Helpful? **Yes · 0** **No · 0** **Report**

★★★★★

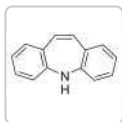
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Reviews

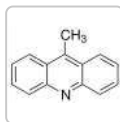
★★★★★

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PHR2237
Carbamazepin...



1.04482
ICP Multi...

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