DiversifiedCPC INTERNATIONAL

Methylal Dimethoxymethane (DMM)

Polyurethane Foam Blowing Agent

Methylal is a highly volatile, colorless ether offering viscosity reduction, enhanced flowability, improved blowing agent compatibility, low GWP and zero ODP for polyurethane foam systems.

Key Benefits:

- Reduces formulation viscosity
- Improves foam flowability
- Improves compatibility with hydrocarbons and HFOs
- Can be used with HFOs to reduce formulation costs
- Suitable for appliance, panel, spray foam & integral skin
- Low GWP (~1 or less) and zero ODP

Physical Properties

Molecular Weight	76.09 g/mol
CAS #	109-87-5
Chemical Formula	C3H8O2
Boiling Point	108° F (42° C)
Melting Point	-157° F (-105° C)
Density	0.86 g/cm3 at 68° F (20° C)
Vapor Pressure	330 mmHg at 68° F (20° C)
Flash Point	0° F (-17° C)
Autoignition Temp	459° F (237° C)

Environmental & Regulatory Benefits:

- TSCA Listed
- EINECS 203-714-2
- ACGIH TLV 1000 ppm
- Helps support EPA SNAP compliant formulations
- Negligible climate impact
- Zero ozone depletion potential

Environmental Properties

Global Warming Potential (GWP)	~1 or less
Ozone Depleting Potential (ODP)	Zero
Volatile Organic Compound (VOC)	Yes
Maximum Incremental Reactivity (MIR)	0.94

Performance Advantages

- Better mixing and pumpability
- Improved mold fill and reduced voids
- Reduced phase separation risk
- Enhanced foam expansion in selected systems

Why Choose Diversified CPC?

U.S. Manufacturer and Distributor

99% Average On-Time Delivery

Tank Sourcing & Installation Services

About Diversified CPC

Established in 1964, we manufacture and distribute the highest-purity hydrocarbons, specialty gases, and blends to help companies improve product quality and their safety, sustainability, and operational outcomes.

Discover how you can benefit from The Power of Purity.®
Contact info@diversifiedcpc.com