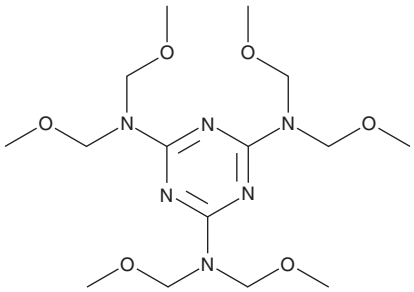
PRODUCT INFORMATION

Hexamethoxymethylmelamine

Item No. 45664

CAS Registry No.:	3089-11-0
Formal Name:	N^2,N^2,N^4,N^4,N^6,N^6-*hexakis*(methoxy methyl)-1,3,5-triazine-2,4,6-triamine
Synonyms:	*Hexakis*(methoxymethyl)melamine, HMMM
MF:	$C_{15}H_{30}N_6O_6$
FW:	390.4
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Hexamethoxymethylmelamine (HMMM) is supplied as a solid. A stock solution may be made by dissolving the HMMM in the solvent of choice, which should be purged with an inert gas. HMMM is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

HMMM is a cross-linking agent.[1] It has been found in municipal wastewater and tire wear particles (TWPs).[2,3] Formulations containing HMMM have been used in metal coatings, can, coil, and automobile plastics, and tire manufacturing.

References

1. Yoshida, K., Anyashiki, T., and Kakuchi, T. Synthesis and flexibility–hardness of polymer coatings based on melamine with mesogenic groups. *Prog. Org. Coat.* **52(3)**, 227-237 (2005).
2. Alhelou, R., Seiwert, B., and Reemtsma, T. Hexamethoxymethylmelamine - A precursor of persistent and mobile contaminants in municipal wastewater and the water cycle. *Water Res.* **165**, 114973 (2019).
3. Foscari, A., Seiwert, B., Zahn, D., *et al*. Leaching of tire particles and simultaneous biodegradation of leachables. *Water Res.* 253, 121322 (2024).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

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