

Melamine by OCI™

Revision Date: 2025-10-01

GPH

Formula	C ₃ H ₆ N ₆	
Synonyms	1,3,5-triazine-2,4,6-triamine	
Molecular Weight	126.13 g/mol	
Appearance	white, crystalline powder	
CAS No.	108-78-1	
EINEC No.	203-615-4	
Properties	Specifications	Analytical Methods
Melamine	min. 99.8%	OCI-AM 002
Water	max. 0.1%	OCI-AM 174
Ash	max. 0.01%	OCI-AM 001
Iron	max. 1 mg/kg	OCI-AM 004
Clarity	clear	OCI-AM 010
Color	max. 20 APHA	OCI-AM 014
Product Carbon Footprint (PCF) ¹	Cradle to Gate	4.62 tonCO ₂ eq/ton Melamine
	Cradle to Grave	5.67 tonCO ₂ eq/ton Melamine

Testing

OCI Nitrogen analytical methods are available on request.

Safety precautions

- Melamine is non-flammable, but heating to above 300°C could result in decomposition, with release of toxic vapors. Adequate ventilation and the use of personal protective equipment is therefore advised.
- When handling melamine, the wearing of gloves, safety glasses and respiratory protection is recommended.
- Please refer to our Safety Data Sheet (available on our website) for additional information.

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¹ Product Carbon Footprint is calculated on a cradle to gate basis (year 2023/2024 activity data) according to ISO 14067 and has been reviewed by an external panel of experts following requirements of ISO 14044. Cradle to Grave is calculated as Cradle to OCI gate + End of Life emission assuming the embedded carbon of 1.05 tonCO₂eq/ton melamine is converted into CO₂. More information is available upon request.

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