

Flame retardant  
***STABIACE MC series***

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*Melamine Cyanurate*

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# MC Series Lineup

Technical Information

## ■ Merits of Highly Dispersive Melamine Cyanurate:

- Eco-friendly non-halogen flame-retardant

(It generates nonflammable gas (N<sub>2</sub>) and forms a coating on the surface of molded products that blocks oxygen)

- Great synergistic effect is provided under combination with phosphorous and hydrated metal compounds.

## ■ Uses

Flame retardant and flame retardant promoter for olefins:

- Various non-halogen cables
- Non-halogen film and sheets

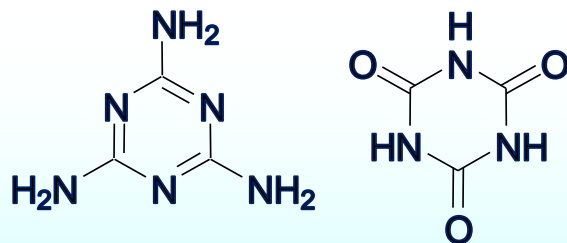
Flame retardant for polyamide Lubricant

## ■ Description

Popular Name: Melamine Cyanurate

(Melamine isocyanurate adduct)

Chemical Formula: C<sub>3</sub>H<sub>6</sub>N<sub>6</sub> · C<sub>3</sub>H<sub>3</sub>N<sub>3</sub>O<sub>3</sub>



Existing Chemical under JCSCL:

Melamine: 5-1024

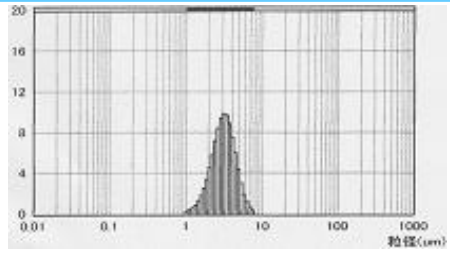
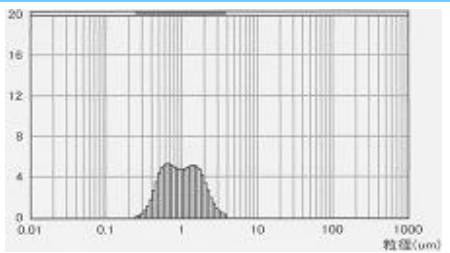
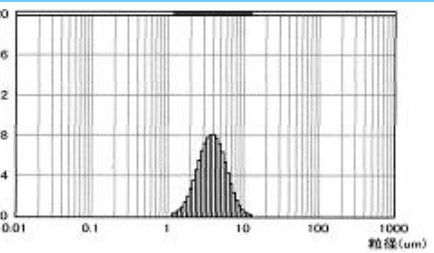
Isocyanurate: 5-1038

CAS No: 37640-57-6

PRTR: Not applicable

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Technical Information

	STABIACE MC-2010N	STABIACE MC-5F	STABIACE MC-20S
Average Particle Size (D <sub>50</sub> )	3 μm	1 μm	4 μm
Appearance	White Powder		
Bulk Density	0.25 g/mL	0.19 g/mL	0.33 g/mL
Melamine Cyanurate Content	> 98 %	> 98 %	> 98 %
Fineness through Sieves (75 μm)	> 99 %	> 99 %	> 99 %
Loss on Heating (105 degC, 2Hr)	< 0.5 %	< 0.5 %	< 0.5 %
Particle Size Distribution			

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