



MATERIAL INFORMATION SHEET

***N,N'*-Bis(2-hydroxyethyl)bicyclo[2.2.2]oct-7-ene-2,3,5,6-tetracarboxylic 2:3,5:6-diimide (BODI)**

CAS	42038-96-0
Sum formula	C ₁₆ H ₁₈ N ₂ O ₆
Mol. weight	334.32 g/mol

PHYSICAL / CHEMICAL PROPERTIES

Appearance	(off)-white crystalline; solid
Melting point by DSC	285-286°C
Solubility	under investigation
Stability	stable under ambient conditions

SPECIFICATION / STRUCTURE proof

¹ H/ ¹³ C NMR	conform to reference
IR	conform to reference
q- ¹ H NMR	≥99.5%

APPLICATION FIELDS

Used in PFAS/PFOA-free polymer applications, for production of polyesters, as curing agent, crosslinker and ligand. Similar to β-hydroxyalkyl amides (HAAs) in reactivity, but β-hydroxyalkyl imides provide higher thermal stability.

[1] WO2015052492A1 (2015) Copolyesterimides derived from aromatic dicarboxylic acids and aliphatic glycols and films made therefrom

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