

[11] Reg. Number: H784

Adolph et al.

[43] Published: Jun. 5, 1990

[54] COPOLYFORMALS OF
1,2-BIS(2-HYDROXYETHYL)-1,2-DICAR-
BADODECABORANE(12) AND
POLYFLUOROALKYL DIOLS

[75] Inventors: Horst G. Adolph, Burtonsville; Lori
A. Nock, Baltimore, both of Md.

[73] Assignee: The United States of America as
represented by the Secretary of the
Navy, Washington, D.C.

[21] Appl. No.: 389,217

[22] Filed: Aug. 2, 1989

[51] Int. Cl.⁵ C08G 4/00; C08G 6/00

[52] U.S. Cl. 528/241; 528/244

Primary Examiner—John S. Maples
Assistant Examiner—Richard Treanor
Attorney, Agent, or Firm—Kenneth E. Walden; Roger
D. Johnson

[57] ABSTRACT

Dihydroxy-terminated copolyformals formed from
A. formaldehyde and
B. a diol comonomer mixture of

- (1) 1,2-bis(2-hydroxyethyl)-1,2-dicar-
badodecaborane(12) and
(2) a fluorodiol which is HOCH₂CF₂CF₂CF₂C-
H₂OH, HOCH₂CF₂CF₂CF₂CF₂CH₂OH,
HOCH₂CF(CF₃)OCF₂CF₂CF₂CH₂OH,
HOCH₂CF₂OCF₂CF₂OCF₂CH₂OH,
HOCH₂CH₂(CF₂)₂CH₂CH₂OH,
HOCH₂CH₂(CF₂)₄CH₂CH₂OH,
HOCH₂CH₂(CF₂)₆CH₂CH₂OH,
HOCH₂CH₂(CF₂)₈CH₂CH₂OH,
HOCH₂CH₂(CF₂)₁₀CH₂CH₂OH, or mixtures
thereof. A fraction of the fluorodiol may be re-
placed with an equal number of moles of a suitable
nitrodiol.

16 Claims, No Drawings

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