

Title (en)  
PERFLUOROPHENYLAZIDE-CONTAINING SILOXANE OLIGOMER MIXTURES

Title (de)  
PERFLUOROPHENYLAZID-HALTIGE SILOXANOLIGOMERMISCHUNGEN

Title (fr)  
MÉLANGES D'OLIGOMÈRES DE SILOXANE CONTENANT DU PERFLUOROPHÉNYLAZIDE

Publication  
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Application  
**EP 20715828 A 20200327**

Priority  
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Abstract (en)  
[origin: WO2021190766A1] The invention relates to PFPA-containing siloxane oligomer mixtures, selected from compounds of the average formula  $[\text{SiO}_4/2] \text{ a } [\text{RSiO}_3/2] \text{ b } [\text{R}_1\text{SiO}_3/2] \text{ b}' [\text{R}_2\text{SiO}_2/2] \text{ c } [\text{R}_1 \text{ 2SiO}_2/2] \text{ c}' [\text{RR}_1\text{SiO}_2/2] \text{ c}'' [\text{R}_3\text{SiO}_1/2] \text{ d } [\text{R}_2\text{R}_1\text{SiO}_1/2] \text{ d}' [\text{RR}_1 \text{ 2SiO}_1/2] \text{ d}'' [\text{R}_1 \text{ 3SiO}_1/2] \text{ d}'''$ , wherein the indices a, b, b', c, c', c'', d, d', d'' and d''' indicate the average content of the respective siloxane moiety in the mixture and independently of each other represent a number in the range of 0 to 300, with the proviso that the sum of all indices is in the range of 3 to 3500 and on average at least 2 radicals R are present; and the radicals R<sub>1</sub> are independently of each other selected from the group consisting of (i) hydrogen, (ii) halogen, (iii) C<sub>1</sub>-C<sub>20</sub> hydrocarbon radical, (iv) hydroxy radical and (v) C<sub>1</sub>-C<sub>20</sub> hydrocarbon radical; and the radicals R are identical and represent a radical of the formula (I), wherein the radical X is selected from i) -O- or (ii) -NH-; and wherein the index n (i) for X = -O- takes a value in the range of 0 to 10, and (ii) for X = -NH- takes a value in the range of 1 to 10.

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