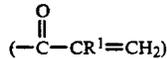


in which

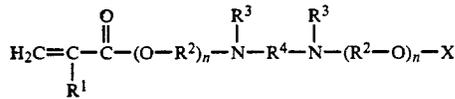
R<sup>1</sup> denotes hydrogen or methyl,  
 R<sup>2</sup> and R<sup>4</sup> denote divalent aliphatic radicals having two or three carbon atoms,  
 R<sup>3</sup> denotes formyl (—CO—H),  
 X denotes hydrogen or (meth)acryloyl



and

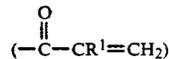
n represents 1.

2. An adhesive composition for the treatment of collagen-containing materials comprising an alkanediyl-bis-carboxamide of the formula



in which

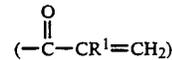
R<sup>1</sup> denotes hydrogen or methyl,  
 R<sup>2</sup> and R<sup>4</sup> denote divalent aliphatic radicals having one to three carbon atoms,  
 R<sup>3</sup> denotes hydrogen or formyl (—CO—H),  
 X denotes hydrogen or (meth)acryloyl



and

n represents 0 or 1,  
 with the proviso that when R<sup>3</sup> equals H, n is zero, and an additive comprising an initiator, solvent or filler.

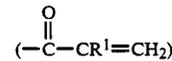
3. A composition according to claim 2, in which R<sup>1</sup> denotes hydrogen or methyl,  
 R<sup>3</sup> denotes hydrogen,  
 R<sup>4</sup> denotes ethylene (—CH<sub>2</sub>CH<sub>2</sub>—),  
 X denotes hydrogen or (meth)acryloyl



and

n represents 0.

4. A composition according to claim 2, in which R<sup>1</sup> denotes hydrogen or methyl,  
 R<sup>2</sup> and R<sup>4</sup> denote ethylene (—CH<sub>2</sub>CH<sub>2</sub>—),  
 R<sup>3</sup> denotes formyl (—CO—H),  
 X denotes hydrogen or (meth)acryloyl



and

n represents 1.

5. A composition according to claim 2, further including a free radical former comprising a mono- or dicarbonyl compound as an initiator.

6. A composition according to claim 2, dissolved in a solvent.

7. A composition according to claim 2, additionally containing a coactivator.

8. A composition according to claim 2, containing a carbonyl compound.

9. A composition according to claim 2, additionally containing at least one (meth)acrylic acid ester which can form crosslinkages.

10. A composition according to claim 2, further containing a filler.

\* \* \* \* \*

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