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ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Construction of Vehicles

DRAFT SUPPLEMENT 3 TO THE 01 SERIES OF AMENDMENTS
TO REGULATION No. 45
(Headlamps cleaners)

Note: The text reproduced below was adopted by the Administrative Committee (AC.1) of the amended 1958 Agreement at its fifth session, following the recommendation by the Working Party at its one-hundred-and-eleventh session. It is based on document TRANS/WP.29/R.774, as amended (English only) (TRANS/WP.29/534, paras. 58 and 120).

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Annex 4, paragraph 2.1., replace by the following text:

"2.1. Test mixture

2.1.1. For headlamp with the outside lens in glass:

A mixture of water and polluting agent to be applied to the headlamp shall be composed of:

9 parts by weight of silica sand with a particle size of 0-100 µm corresponding to distribution prescribed in paragraph 2.1.3,

1 part by weight of vegetable carbon dust (beechwood) with a particle size of 0-100 µm,

0.2 parts by weight of NaCMC 1/, and

an appropriate quantity of distilled water with a conductivity of • 1 mS/m.

2.1.2. For headlamp with the outside lens in plastic material:

The mixture of water and polluting agent to be applied to the headlamp shall be composed of:

9 parts by weight of silica sand with a particle size of 0-100 µm corresponding to distribution prescribed in paragraph 2.1.3,

1 part by weight of vegetable carbon dust (beechwood) with a particle size of 0-100 µm,

0.2 parts by weight of NaCMC 1/,

5 parts by weight of sodium chloride (pure at 99%)

13 parts by weight of distilled water with a conductivity of • 1 mS/m, and

2 ± 1 parts by weight of surface-actant.

1/ NaCMC represents the sodium salt of carboxymethylcellulose, customarily referred to as CMC. The NaCMC used in the polluting agent mixture shall have a degree of substitution (DS) of 0.6-0.7 and a viscosity of 200-300 cP for a 2 per cent solution at 20°C.

2.1.3. Particle-size distribution

Particle size (in µm)	Particle-size distribution in (%)
0 to 5	12 ± 2
5 to 10	12 ± 3
10 to 20	14 ± 3
20 to 40	23 ± 3

40 to 80	30 ± 3
80 to 100	9 ± 3

- 2.1.4. The mixture shall be fit for applying to the headlamp by the spray gun specified under 2.3 below. The mixture shall be used not earlier than two hours and not later than 24 hours after preparation. It shall be given into the gun immediately before use."
