



# HEXAFOR™ L-104



## SHORT PERFLUORINATED CHAIN LEATHER/CARPET PROTECTION AGENT

### DESCRIPTION

**HEXAFOR™ L-104** is a water-based fluorinated emulsion that supplies a durable and transparent surface treatment with optimal protecting barrier against olive oil, water, coffee, oil, ketchup, wine, etc. on outerwear, footwear, gloves and accessories. It can be used also in finishing process of carpets made of polyamide, polyester and their blends with wool. The treated surfaces are easy cleanable. HEXAFOR™ L-104 does not change the original appearance of the leather.

### SPECIAL FEATURES

- ❖ Excellent water and oil repellency
- ❖ Anti stain properties
- ❖ Easy to clean properties
- ❖ Durable treatment
- ❖ Meets the goals of the voluntary U.S. EPA 2010/2015 PFOA Stewardship Program
- ❖ Targeted below LOD for PFOA (**PFOA free\***)

### SOLUBILITY

Water.

### STORAGE AND STABILITY

**HEXAFOR™ L-104** is stable for one year and more if stored in original closed drums between 5 – 40°C. Shake before use because some precipitate could occur.

### PERSONAL SAFETY

**HEXAFOR™ L-104** does not contain toxic substances. It is based only on C6 fluorinated chains with no possibility of PFOA formation (**PFOA free\***). Consult the current Material Data Sheet for safety use of the product.

### TECHNICAL INFORMATIONS

APPEARANCE	Liquid, white-coloured dispersion
IONIC CHARGE	Non ionic
pH (5% in water)	5 – 6,5
DILUTION	Dilutable in all proportion with cold water
FLASH POINT	>100°C (212°F)
TEMPERATURA D'EBOLLIZIONE	100°C (212°F)
SOLUBILITY	Soluble in water, glycols...
SOLID CONTENT	23-25 % (wt)
COMPOSIZIONE	Fluorine compound dispersion

### TECHNICAL SPECIFICATION

Solid content: 23 – 25% (4 h at 105°C)  
 pH (5% in water): 5 – 6,5 (DIN EN 1262)

### APPLICATIONS

**HEXAFOR™ L-104** is used in the After-market pressurized can applications and in the retail market as aerosol format for finishing application.

In finishing processes for achieving high efficiency with L-104 a adjusting of the pH-value of the solution isn't necessary but an adjustment to approx. 1,5 – 3 can lead to better results.

### PACKAGING

- ❖ Kg 50 – Plastic Drum
- ❖ Kg 200 – Plastic Drum
- ❖ Kg 1000 – Plastic Drum



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**Proposed formulation (carpet finishing process)**

Depending on the pile weight, pile height and fiber, between 0,5 – 2% of HEXAFOR™ L-104, relative to the pile weight, are applied to the carpet with a subsequent heat treatment at 110 – 150°C.

- ❖ Pile weight: 500 g/m<sup>2</sup>
- ❖ HEXAFOR™ L-104: 0,5% = 2,5 g/m<sup>2</sup>

**Proposed formulation (after market)**

- ❖ 5 - 15 % HEXAFOR™ L-104
- ❖ 85 - 95 % water

Proposed dosage is 10 – 12 g/m<sup>2</sup>

\* Wherever the term "PFOA Free" is used in this website, it means content of PFOA is less than limit of detection (20ppb).

# کیمیا اکسیر آریسا

تأمین کننده مواد اولیه رنگ، رزین، پوشش، مرکب چاپ، ساختمان، چسب و پلاستیک



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