



PFW Aroma Chemicals B.V.

P.O. Box 415

3770 AK Barneveld

The Netherlands

Telephone: +31 342 407710

Telefax: +31 342 407720

PRODUCT INFORMATION

PFW® ORANGE LF115

PFW CODE NO. 109613M

ODOUR PFW® Orange LF115 has a fresh and natural citrus orange note.
(D-limonene content < 1.5%)

TENACITY PFW® Orange LF115 lasts for one day on the blotter.

FRAGRANCE USES PFW® Orange LF115 is a label free orange which can be used as a replacement for orange oil . PFW ® Orange LF115 will perform with the same characteristics as a natural orange oil. See the IFRA-Statement for more detailed information.

TECHNICAL DATA

<i>Appearance</i>	An orange liquid.
<i>Specific Gravity (20°C/20°C)</i>	0.856 - 0.876
<i>Refractive Index (20°C)</i>	1.432 - 1.442
<i>Solubility in ethanol 95%</i>	Soluble in all proportions.
<i>Flashpoint (closed cup)</i>	>100°C.

SUBSTANTIVITY

Material	Wet Wash	Dry Wash*
Cotton	Orange	None
Cotton/Synthetic	Orange	None

* Evaluated after 12 hours

STABILITY PFW® Orange LF115 is stable in cosmetic and laundry care applications. This product is not recommended for more aggressive bases.

STORAGE/SHELF LIFE The product is stable for 6 months after date of despatch when stored in well-filled, closed air-tight containers and kept under refrigerated conditions.

HANDLING Before use, keep it for at least one day at room temperature.

STABILIZER PFW® Orange LF115 is stabilized with 500 ppm BHT. The product is also available without stabilizer upon request.

PACKAGING Internally lacquered steel drums. Standard drum size: 165 kgs. Deviating packaging sizes are available upon request.

H.S. NUMBER 3302 90 90

DATE June 2007.
(Supersedes PI sheet issued May 2005)

The information contained herein, to the best of our knowledge, is true and accurate. Any recommendations or suggestions are made without warranty or guarantee, since the conditions of use are beyond our control. Nothing contained herein shall be construed to imply the non-existence of any relevant patents nor so constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent.