


Safety Data Sheet**PFW® ORANGE LF115****109613M****CHAPTER 1****PRODUCT INFORMATION**

Product name	: PFW® ORANGE LF115
Product code	: 109613M
Chemical names	: Solution of Orange oil in Isopropyl myristate.
Chemical family	: Solutions
Recommended use	: Fragrance material which may be used in any fragrance compound according to legal and IFRA rules.

Emergency phone number: PFW Aroma Chemicals B.V. tel. +31-342-407700

CHAPTER 2**COMPOSITION/INFORMATION ON INGREDIENTS**

Composition	: The exact identity of the ingredients and their concentrations within this composition is regarded as proprietary information.
EC-label	: Label in accordance with EC-Directive 1999/45/EC. Preparations are therefore classified by the conventional method.
Pictograph(s)	: Xi 

R-phrase(s)	: R43 R52/53
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S-phrase(s)	: S24 S37
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Please refer to Chapter 16 for the full text of the classification when applicable.

Hazardous Ingredient(s)	:
Limonene (as natural constituent)	205-341-0 Xi, N; R38, R43, R50/53 < 1.5%

CHAPTER 3**HAZARD IDENTIFICATION**

The undiluted product may be irritating to eyes and skin.



Safety Data Sheet

PFW® ORANGE LF115

109613M

The undiluted product may cause sensitisation by skin contact.

See also Chapter 11 (toxicological information) and Chapter 16 (other information).

CHAPTER 4

FIRST AID MEASURES

Eye Exposure	: Remove contact lenses. Hold eyelids apart. Flush immediately with water for at least 15 minutes. If irritation persists or any sign of tissue damage is apparent, obtain medical advice.
Skin Exposure	: Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water for at least 15 minutes. If irritation persists or any sign of tissue damage is apparent, seek medical attention.
Ingestion	: Do not induce vomiting. If conscious, rinse mouth with water and give large quantities of water to drink. Obtain medical advice (and show the label or datasheet where possible).
Inhalation	: Remove from exposure site to fresh air and keep at rest. Obtain medical advice (and show the label or datasheet where possible).

CHAPTER 5

FIRE FIGHTING MEASURES

Extinguishing Media	: CO ₂ , dry chemical, foam.
Special Fire Fighting Procedures	: Cool containers with water if exposed to fire.
Unusual Fire & Explosion Hazards	: None known.
Hazardous products of Combustion	: Burning may generate CO, CO ₂ and unidentified organic and anorganic compounds.



Safety Data Sheet

PFW® ORANGE LF115

109613M

CHAPTER 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Remove ignition sources. Provide adequate ventilation. Do not inhale vapour or dust. Avoid skin and eye contact by wearing protective clothing.
Disposal	: Small spills may be flushed away with copious water. Absorb large spills with sand or inert powder. See also Chapter 13.
Environmental Precautions	: Avoid disposing into drainage/sewer system or directly into the aquatic environment.

CHAPTER 7

STORAGE AND HANDLING

Storage Conditions	: Store in a cool, dry and well ventilated place. Keep away from sources of ignition - No smoking. Keep container tightly closed. Store separately from oxidizing agents.
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Handling Instructions : None special.

Special Precautions : Keep containers closed.

CHAPTER 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

Industrial hygiene	: In accordance with good manufacturing and industrial practices.
Engineering Controls	: Keep exposure to a minimum.
Exposure limit values	: None established.



Safety Data Sheet

PFW® ORANGE LF115

109613M

Personal protection

- Eye Protection : Take care to prevent material being splashed on the eye. Depending on working situation safety glasses, goggles or full face shield are advised.
- Hand / Skin Protection : Take care to prevent material being splashed on the skin. Depending on working situation protective clothing (e.g. impervious gloves and suitable overall) is recommended based on the hazard.
- Respiratory Protection : Maintain adequate ventilation in working area. Avoid inhalation of vapours or dust. Self-contained breathing apparatus should be worn, where there is a risk of exposure to excessive vapour or dust concentration.

CHAPTER 9

PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Orange liquid.
- Odour : Citrus
- Specific gravity : 0.87 g/ml (20°C/20°C)
- Solubility in water : Insoluble
- Flashpoint : >100 °C (Closed Cup)

CHAPTER 10

STABILITY AND REACTIVITY

- Stability Considerations : Stable in most media.
- Conditions to avoid : Strong oxidizing agents and direct sunlight.
- Thermal Decomposition : None known.
- Hazardous Decomposition : Burning may generate CO, CO₂ and unidentified hazardous organic and anorganic compounds.
- Hazardous Polymerization : Not expected to occur.



PFW Aroma Chemicals B.V.

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Safety Data Sheet

PFW® ORANGE LF115

109613M

CHAPTER 11

TOXICOLOGICAL INFORMATION

The product is a multi-component mixture for which no toxicological data exist. Risk assessment is based on the hazards of the individual components. See also Chapter 2 and 3.

Remarks : The hazards of the individual components are determined by test data obtained from the RIFM database and by the HCWG (EFFA Code of Practice).

CHAPTER 12

ECOLOGICAL INFORMATION

The product is a multi-component mixture for which no ecological data exist.

Safety Data Sheet

PFW® ORANGE LF115

109613M

CHAPTER 13

DISPOSAL CONSIDERATION

Disposal : Small spills may be flushed away with copious water. Absorb spills with sand or inert powder. Dispose of in accordance with current laws and regulations.

Environmental Precautions : Avoid disposing into drainage/sewer system or directly into the aquatic environment.

CHAPTER 14


TRANSPORT INFORMATION

ADR/RID	: Not regulated	Sub. Risk	: -
IATA/ICAO	: Not regulated	UN nr.	: -
IMDG	: Not regulated	IMDG MP	: -
Proper shipping name	: Not applicable		

CHAPTER 15

REGULATORY INFORMATION

EC-label : Label in accordance with EC-Directive 1999/45/EC. Preparations are therefore classified by the conventional method.

Pictograph(s) : Xi 

R-phrase(s) : R43
R52/53

S-phrase(s) : S24
S37



Safety Data Sheet

PFW® ORANGE LF115

109613M

EINECS	: All components are listed in the EINECS inventory.
TSCA	: All components are listed in the TSCA inventory.
IFRA Restrictions	: See IFRA statement.
Other	: The product complies with EC-Directive 76/768/EEC and amendments (Cosmetic Directive).

CHAPTER 16

OTHER INFORMATION

This Material Safety Data Sheet is drawn up in accordance with EC-Directive 91/155/EEC and amendments.

The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine the environmental regulatory compliance obligations under any applicable federal or state laws.

Irritant.

May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid contact with skin. Wear suitable gloves.

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