

## Safety Data Sheet

**PFW® LEMON ISOLATE**

**228200**

### CHAPTER 1

### PRODUCT INFORMATION



Product name	: PFW® LEMON ISOLATE
Product code	: 228200
Chemical names	: Perfumery compound
Chemical family	: Mixture
Recommended use	: Fragrance base 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)	: Xn N	 
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R-phrase(s)	: R10 R38 R43 R50/53	R65
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S-phrase(s)	: S16 S24 S37 S60	S61 S62
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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	< 40%

### CHAPTER 3

### HAZARD IDENTIFICATION

The undiluted product may be irritating to eyes and skin.



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The undiluted product may cause sensitisation by skin contact.

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

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#### 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).

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#### CHAPTER 5

#### FIRE FIGHTING MEASURES

Extinguishing Media	: CO <sub>2</sub> , dry chemical, foam.
Special Fire Fighting Procedures	: Cool containers with water if exposed to fire to prevent rupture. Wear self-contained breathing apparatus pressure-demand and full protective gear when fighting fires involving this product.
Unusual Fire & Explosion Hazards	: Above flashpoint temperature: vapour is explosive when mixed with air. Sealed containers may build up pressure.
Hazardous products of Combustion	: Burning may generate CO, CO <sub>2</sub> and unidentified organic and anorganic compounds.



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### CHAPTER 6

### ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact.
Disposal	: Do not dispose into the environment. Absorb spills with sand or inert powder.
Environmental Precautions	: Do not dispose into drainage/sewer system, soil or the aquatic environment.

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### 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 : Keep away from sources of ignition - No smoking.

Special Precautions : Keep containers closed.

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### 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.



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#### 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.

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## CHAPTER 9

## PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Clear almost colourless to pale yellow liquid.
- Odour : Citrus
- Specific gravity : 0.935 g/ml (20°C/20°C)
- Solubility in water : Insoluble
- Flashpoint : 54 °C (Closed Cup)

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## 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, CO<sub>2</sub> and unidentified hazardous organic and anorganic compounds.
- Hazardous Polymerization : Not expected to occur.



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### **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).

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### **CHAPTER 12**

### **ECOLOGICAL INFORMATION**

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

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**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 : Do not dispose into drainage/sewer system, soil or the aquatic environment.

**CHAPTER 14**



**TRANSPORT INFORMATION**

ADR/RID	: 3 III	Sub. Risk	: -
IATA/ICAO	: 3 III	UN nr.	: 1169
IMDG	: 3 III	IMDG MP	: -
Proper shipping name	: Extract, aromatic, liquid		

**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) : Xn  N 

R-phrase(s) : R10 R65  
R38  
R43  
R50/53

S-phrase(s) : S16 S61  
S24 S62  
S37  
S60



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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).

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## 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.

Harmful. Dangerous for the environment.

Flammable. Irritating to skin. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

Keep away from sources of ignition - No smoking. Avoid contact with skin. Wear suitable gloves. Avoid release to the environment. Refer to special instructions/safety data sheets. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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