



**Material Safety Data Sheet**
**ULTRALID® II**
**109900**
**CHAPTER 1**
**PRODUCT INFORMATION**

|                 |                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------|
| Product name    | : ULTRALID® II                                                                                  |
| Product code    | : 109900                                                                                        |
| 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<br>N   |
| R-phrase(s)   | : R22<br>R50/53                                                                                                                                                                 |
| S-phrase(s)   | : S24/25<br>S61                                                                                                                                                                 |

Please refer to Chapter 16 for the full text of the classification when applicable.

|                                          |   |           |                    |       |
|------------------------------------------|---|-----------|--------------------|-------|
| Hazardous Ingredient(s)                  | : |           |                    |       |
| 7-Acetyl-1,1,3,4,4,6-hexamethyltetraline |   | 261-133-4 | Xn, N; R22, R50/53 | ≥ 25% |
| 5-Acetyl-1,1,2,3,3,6-hexamethylindane    |   | 239-360-0 | Xn, N; R22, R50/53 | ≥ 25% |

**CHAPTER 3**
**HAZARD IDENTIFICATION**

The undiluted product may be irritating to eyes and skin.

The undiluted product is harmful if swallowed.



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Skin contact may cause dermatitis upon exposure to sunlight.

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 | : None special.                                                                              |
| Unusual Fire & Explosion Hazards | : None known.                                                                                |
| 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.<br>Store separately from oxidizing agents.<br>The product is easily contaminated by environmental odours. Keep away from other fragrance/flavour materials. |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |                 |
|-----------------------|-----------------|
| Handling Instructions | : None special. |
|-----------------------|-----------------|

|                     |                           |
|---------------------|---------------------------|
| 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 : Almost colourless to pale yellow viscous liquid.
- Odour : Musky
- Specific gravity : 1.001 g/ml (20°C/20°C)
- Solubility in water : Insoluble
- Flashpoint : >100 °C (Closed Cup)

- Oxidizing/explosive properties : Not expected based on the chemical structure of the ingredients.

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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. For the hazardous ingredients the following data is available:

COMPONENT -7-Acetyl-1,1,2,3,4,4,6-Hexamethyltetraline: Harmful based on a LD50 oral (rat) value of 964 mg/kg. Eye irritation (rabbit): mild to moderate conjunctival redness and swelling with mild iritis and slight corneal opacity (reversible). Tested in 10 % in Ethanol/DEP it did not produce irritation nor sensitization in human subjects. Has been found to cause phototoxicity and photosensitization in guinea pigs. In human clinical studies, it did not cause any phototoxic reaction at concentrations up to 10 % and was not a photosensitizer at concentrations up to 10 %. No evidence of bacterial mutagenicity (Ames test). 90-day repeated dose NOAEL in rat = 15 mg/kg/day.

COMPONENT - 5-Acetyl-1,1,2,3,3,6-Hexamethylindane: Harmful if swallowed based on a LD50 oral (rat) value of 797 mg/kg. Mild eye irritant. Applied full strength to intact or abraded rabbit skin for 24 hours under occlusion, it was not irritating. Tested in 4 % in petrolatum it did not produce irritation nor sensitization in human subjects. Tested in 10 % in Ethanol/DEP it did not produce irritation in human subjects. Dermal phototoxic to rabbits and mice. May cause dermatitis after skin contact in sunlight. Tests on human subjects have shown no effect at concentrations up to 10 %. No evidence of bacterial mutagenicity (Ames test). 28-day repeated dose NOAEL in rat = 5 mg/kg/day.

Reference(s) : Test data PFW Aroma Chemicals B.V. and Research Institute for Fragrance Materials (RIFM).

### CHAPTER 12

### ECOLOGICAL INFORMATION

The product is a multi-component mixture for which no ecological data exist. Risk assessment is based on the hazards of the individual components. For the hazardous ingredients the following data is available:

COMPONENT -7-Acetyl-1,1,2,3,4,4,6-Hexamethyltetraline: Very toxic to aquatic organisms based on acute toxicity to aquatic organisms results of less than 1 mg/l. The lowest value measured is a 21 days EC50 Daphnia value of 0,244 mg/l. The NOEC found with this test is 0,196 mg/L. Result of the measured biodegradability: Poorly biodegradable (14 % in 28 days).

COMPONENT - 5-Acetyl-1,1,2,3,3,6-Hexamethylindane: Very toxic to aquatic organisms based on acute toxicity to aquatic organisms results of less than 1 mg/l. The lowest value measured is a 72 hours IC50 Algae value of 0,2 mg/l. The NOEC found with this test is 0,044 mg/L. Result of the measured biodegradability: Poorly biodegradable (13 % in 28 days).

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Reference(s) : Test data PFW Aroma Chemicals B.V. and Research Institute for Fragrance Materials (RIFM).

**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              | : 9 III                                                                                                                                       | Sub. Risk | : -    |
| IATA/ICAO            | : 9 III                                                                                                                                       | UN nr.    | : 3082 |
| IMDG                 | : 9 III                                                                                                                                       | IMDG MP   | : P    |
| Proper shipping name | : Environmentally hazardous substance, liquid, n.o.s. (7-Acetyl-1,1,3,4,4,6-Hexamethyltetraline/5-Acetyl-1,1,2,3,3,6-Hexamethylindan mixture) |           |        |

**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) : R22  
R50/53

S-phrase(s) : S24/25  
S61



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|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| EINECS            | : All components are listed in the EINECS inventory.                                     |
| TSCA              | : All components are listed in the TSCA inventory.                                       |
| IFRA Restrictions | : Limited for use, see IFRA statement for more information.                              |
| 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.

Harmful if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid contact with skin and eyes. Avoid release to the environment. Refer to special instructions/safety data sheets.

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|---------------------|-------------------|-------------------------------|------------------------|
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| Version             | : 3.1             | Replaces Version              | : 3.0; 16 January 2002 |

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