

# Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : TRANS-2-HEXENYL ACETATE  
Revision : 11.11.2009 Version : 2.0.1  
Print date : 04-12-2009

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## 01. Identification of the substance/preparation and of the company/undertaking

### Product name

TRANS-2-HEXENYL ACETATE (129550)

### Use of the substance / preparation

Flavour and fragrance ingredient.

### Manufacturer/Supplier

PFW Aroma Chemicals B.V.

### Street/P.O.Box

Veemweg 29-31

### Country code/Postal code/Town/City

NL - 3371 MT Barneveld

### Telephone / Telefax

+31 342 40 77 00 (during office hours) / +31 342 40 77 20

### Contact

Department Product Safety Assurance (pfw@pfw.nl)

### Emergency information

+31 342 40 77 93

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## 02. Hazards identification

### Hazard designation

Irritating to eyes, respiratory system and skin.

Classification : Xi ; R 36/37/38

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## 03. Composition/information on ingredients

### Chemical characterization

TRANS-2-HEXENYL ACETATE; TRANS-HEX-2-ENYL ACETATE ; CAS-No. : 2497-18-9 ; EC-No. : 219-680-7

Percentage :  $\geq 97 \%$

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## 04. First-aid measures

### General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

### After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician and show the label or datasheet.

### After skin contact

Take off all contaminated clothing immediately . Wash away with soap and water and rinse. Do NOT use solvents or thinners.

### After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.).

### After ingestion

Contact a doctor immediately. Keep at rest. Do not induce vomiting. Rinse mouth with water. Drink plenty of water. Obtain medical advice and show the label or datasheet if possible.

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## 05. Fire-fighting measures

### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders.

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### Unsuitable extinguishing media

Water.

### Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Build-up of pressure in closed containers. Danger that they might burst. Above flash-point, vapour is explosive when mixed with air. During fires, carbon monoxide, carbon dioxide, organic compounds and traces of inorganic substances may form. Exposure to decomposition products may cause a health hazard.

### Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air and wear full protective clothing.

### Additional information

Cool endangered containers with water in case of fire.

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## 06. Accidental release measures

### Personal precautions

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

### Environmental precautions

Avoid disposing the product into drainage/sewer system or directly into the aquatic environment.

### Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Small spills may be flushed away with an excessive amount of water. Avoid use of solvents.

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## 07. Handling and storage

### Information for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid contact with skin and eyes. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

### Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### Requirements to be met by storerooms and containers

Store containers tightly closed in a cool, dry and well ventilated place. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Prevent unauthorized access. No smoking.

### Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

### Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Storage class (VCI) : 10

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## 08. Exposure controls/personal protection

### Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

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## Personal protective equipment

### Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. In case of non-spraying applications: Filter type: A, Colour code: Brown, Applications: Organic gasses and vapours with boiling point over 65°C. By spraying: air fed respirator.

### Hand protection

Solvent-resistant protective gloves must be worn.

### Eye protection

Depending on working conditions, use of safety glasses, goggles or full face shield.

### Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact with the substance.

## 09. Physical and chemical properties

### Relevant safety data

Colour :	Colourless to pale yellow
Odour :	sweet, fruity
Boiling point / range :	( 1013 hPa ) 176 °C
Flash point (Closed Cup) :	58 °C
Vapour pressure :	( 20 °C ) 0.93 hPa
Density :	( 20 °C ) 0.893 - 0.9 g/cm <sup>3</sup>
Log Pow :	2.61
Refractive Index	( 20 °C ) 1.425 - 1.43

## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

### Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials.

### Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

## 11. Toxicological information

### Toxicological tests

LD50/LC50 values that are relevant for classification

Specification :	LD-50
Routes of entry :	oral
Test species :	rat
Value / dosage :	> 5 g/kg
Quotation :	Research Institute for Fragrance Materials (RIFM)
Specification :	LD-50
Routes of entry :	dermal
Test species :	rabbit
Value / dosage :	> 5 g/kg
Quotation :	Research Institute for Fragrance Materials (RIFM)

### Primary irritant effect

Specification :	Irritation of the skin
Test species :	Rabbit
Test-period :	24 h
Findings :	Moderately irritating
Testing method :	Full strength to intact or abraded skin under occlusion

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Quotation : Research Institute for Fragrance Materials (RIFM)  
Specification : Irritation of the skin  
Test species : Human  
Test-period : 48 h  
Findings : No irritation  
Testing method : 10% in petrolatum  
Quotation : Research Institute for Fragrance Materials (RIFM)

## Sensitization

Specification : Maximization test  
Test species : Human  
Findings : Not sensitising  
Testing method : 10% in petrolatum  
Quotation : Research Institute for Fragrance Materials (RIFM)

## 12. Ecological information

### Additional ecological information

General ecological information  
Do not empty into waters or drains.

## 13. Disposal considerations

### Contaminated packaging

#### Recommendation

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

## 14. Transport information

### Land transport ADR/RID

#### Classification

Class : 3  
Substance number : 3272 Classification-Code : F1  
LQ 7

#### Proper shipping name

ESTERS, N.O.S.

#### Hazardous components

TRANS-2-HEXENYL ACETATE; TRANS-HEX-2-ENYL ACETATE

#### Packaging

Packaging group : III

Label :



### Maritime transport IMDG/GGVSea

#### Classification

IMDG-Code : 3 EmS number : F-E / S-D  
UN number : 3272 Marine Poll. : -

#### Proper shipping name

ESTERS, N.O.S.

#### Hazardous components

TRANS-2-HEXENYL ACETATE; TRANS-HEX-2-ENYL ACETATE

#### Packaging

Packaging group : III

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Label :



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## Air transport ICAO-TI and IATA-DGR

### Classification

Class : 3  
UN number : 3272

### Proper shipping name

ESTERS, N.O.S.

### Hazardous components

TRANS-2-HEXENYL ACETATE; TRANS-HEX-2-ENYL ACETATE

### Packaging

Packaging group : III

Label :



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## 15. Regulatory information

### Classification according to EC directives

#### Danger symbol and danger designation



Xi ; Irritant

#### R-phrases

36/37/38 Irritating to eyes, respiratory system and skin.

#### S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
24/25 Avoid contact with skin and eyes.

### National regulatory information

#### Water pollution classification

Class : 2 according KBwS

## 16. Other information

### Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.