

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## Persan Aktiv

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name/designation:

Persan Aktiv

Article No.:

304

UFI:

HE16-R721-TVK7-6VP4

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No data available

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

#### 1.4. Emergency telephone number

No data available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Corr. 1</i> )	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05

Corrosion

Signal word: Danger

Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

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Supplemental hazard information: none

### Precautionary statements Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

### Precautionary statements Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/....

## 2.3. Other hazards

No data available




## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Description:

aqueous solution

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7722-84-1 EC No.: 231-765-0 Index No.: 008-003-00-9	<b>hydrogen peroxide</b> Acute Tox. 4 (H332, H302), Ox. Liq. 1 (H271), Skin Corr. 1A (H314)  Danger <b>Specific concentration limit (SCL)</b> Ox. Liq. 1, Skin Corr. 1A; H271-H314: C ≥ 70% Ox. Liq. 2, Skin Corr. 1B; H272-H314: 50% ≤ C < 70% Skin Irrit. 2; H315: 35% ≤ C < 50% Eye Dam. 1; H318: C ≥ 8% Eye Irrit. 2; H319: 5% ≤ C < 8% STOT SE 3; H335: C ≥ 35%	3 - ≤ 7 weight-%
CAS No.: 69011-36-5	<b>Isotridecanol, ethoxylated</b> Acute Tox. 4 (H302), Eye Dam. 1 (H318)  Danger	2 - ≤ 5 weight-%
CAS No.: 75-75-2 EC No.: 200-898-6 Index No.: 607-145-00-4	<b>methanesulphonic acid</b> Acute Tox. 4 (H302, H312), Eye Dam. 1 (H318), Met. Corr. 1 (H290), STOT SE 3 (H335), Skin Corr. 1B (H314)  Danger	1 - ≤ 5 weight-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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### Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell. Rinse mouth immediately and drink 1 glass of of water. Do NOT induce vomiting. Get immediate medical advice/attention.

### Self-protection of the first aider:

Use personal protection equipment.

### 4.2. Most important symptoms and effects, both acute and delayed

Skin corrosion/irritation Serious eye damage/eye irritation

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Adjust to the environment

#### Unsuitable extinguishing media:

There are no restrictions on extinguishing agents for this mixture

### 5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire hazardous combustion gases or vapors possible

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Remove persons to safety.

##### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

#### For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8).

##### Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

**Storage class (TRGS 510, Germany):** 8B - Non-combustible corrosive substances

#### 7.3. Specific end use(s)

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
WEL (GB)	hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m <sup>3</sup> ) ② 2 ppm (2.8 mg/m <sup>3</sup> )

##### 8.1.2. Biological limit values

No data available

##### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
methanesulphonic acid CAS No.: 75-75-2 EC No.: 200-898-6	6.76 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
methanesulphonic acid CAS No.: 75-75-2 EC No.: 200-898-6	1.44 mg/cm <sup>2</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
methanesulphonic acid CAS No.: 75-75-2 EC No.: 200-898-6	0.7 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
methanesulphonic acid CAS No.: 75-75-2 EC No.: 200-898-6	0.42 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, local effects
methanesulphonic acid CAS No.: 75-75-2 EC No.: 200-898-6	19.44 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
methanesulphonic acid CAS No.: 75-75-2 EC No.: 200-898-6	8.33 mg/kg	① DNEL Consumer ② Long-term - dermal, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6	8.33 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6	0.012 mg/L	① PNEC aquatic, freshwater
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6	0.0012 mg/L	① PNEC aquatic, marine water
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6	100 mg/L	① PNEC sewage treatment plant
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6	0.0251 mg/kg	① PNEC sediment, freshwater
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6	0.00183 mg/kg	① PNEC soil

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No data available

### 8.2.2. Personal protection equipment

#### Eye/face protection:

Eye glasses with side protection EN 166

#### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** colourless

**Odour:** characteristic

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	1		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	No data available		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		

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Parameter	Value	at °C	① Method ② Remark
Density	1 g/cm <sup>3</sup>	20 °C	
Bulk density	<i>not applicable</i>		
Water solubility	miscible		
Dynamic viscosity	<i>No data available</i>		
Kinematic viscosity	<i>No data available</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Violent reaction with: Alkali (lye), concentrated; Oxidising agent, strong; Reducing agent, strong; Amines

### 10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>hydrogen peroxide</b> CAS No.: 7722-84-1 EC No.: 231-765-0
<b>LD<sub>50</sub> oral:</b> 1,193 mg/kg (Ratte)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >170 mg/L 4 h (Ratte)
<b>Isotridecanol,ethoxylated</b> CAS No.: 69011-36-5
<b>LD<sub>50</sub> oral:</b> 300 - 2,000 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Ratte)
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6
<b>LD<sub>50</sub> oral:</b> 649 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> 1,000 - 2,000 mg/kg (Kaninchen)

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

#### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

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### Carcinogenicity:

Based on available data, the classification criteria are not met.

### Reproductive toxicity:

Based on available data, the classification criteria are not met.

### STOT-single exposure:

Based on available data, the classification criteria are not met.

### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

### Aspiration hazard:

Based on available data, the classification criteria are not met.

### Additional information:

No data available

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>hydrogen peroxide</b> CAS No.: 7722-84-1 EC No.: 231-765-0
LC <sub>50</sub> : 2.4 mg/L 2 d (Daphnia pulex)
LC <sub>50</sub> : 16.4 mg/L 4 d (fish, Pimephales promelas) other:
LC <sub>50</sub> : 2.4 mg/L 2 d (crustaceans, Daphnia pulex) other:
EC <sub>50</sub> : 466 mg/L
EC <sub>50</sub> : 1.38 mg/L 3 d (Algae/water plant, Skeletonema costatum) Paris Commission guidelines (1990) for testing of offshore chemicals and drilling muds
NOEC: 0.63 mg/L 21 d (Daphnia magna)
NOEC: 0.63 mg/L 3 d (Algae/water plant, Skeletonema costatum) Paris Commission guidelines (1990) for testing of offshore chemicals and drilling muds
NOEC: 5 mg/L 4 d (fish, Pimephales promelas) other:
NOEC: 1 mg/L 2 d (crustaceans, Daphnia pulex) other:
NOEC: 0.63 mg/L 21 d (crustaceans, Daphnia magna) other:
LOEC: 1.25 mg/L 21 d (Daphnia magna)
LOEC: 1.25 mg/L 21 d (crustaceans, Daphnia magna) other:
<b>Isotridecanol,ethoxylated</b> CAS No.: 69011-36-5
LC <sub>50</sub> : >1 - 10 mg/L 4 d (fish, Leuciscus idus)
EC <sub>50</sub> : >1 - 10 mg/L 2 d (crustaceans)
EC <sub>50</sub> : >1 - 10 mg/L 3 d (Algae/water plant)
NOEC: >1 mg/L 21 d (crustaceans)
LC <sub>50</sub> : >1 - 10 mg/L (fish, Daphnia magna)
LC <sub>50</sub> : >1 - 10 mg/L (fish)
EC <sub>50</sub> : >1 - 10 mg/L 2 d (fish, Daphnia magna)
NOEC: >1 mg/L (Algae/water plant, Daphnia magna)
<b>methanesulphonic acid</b> CAS No.: 75-75-2 EC No.: 200-898-6
LC <sub>50</sub> : 10 - 100 mg/L 4 d (fish)
LC <sub>50</sub> : >10,000 mg/L 4 d (fish)
EC <sub>50</sub> : 10 - 100 mg/L 2 d (crustaceans)
EC <sub>50</sub> : 10 - 100 mg/L 3 d (Algae/water plant)

### 12.2. Persistence and degradability

No data available

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### 12.3. Bioaccumulative potential

**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0

Log K<sub>OW</sub>: 1.57

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0

**Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**Isotridecanol,ethoxylated** CAS No.: 69011-36-5

**Results of PBT and vPvB assessment:** —

**methanesulphonic acid** CAS No.: 75-75-2 EC No.: 200-898-6

**Results of PBT and vPvB assessment:** —

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

07 06 01 *	aqueous washing liquids and mother liquors
20 01 29 *	Detergents containing hazardous substances





\*: Evidence for disposal must be provided.

#### Waste treatment options

**Appropriate disposal / Product:**

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 3265	UN 3265	UN 3265	UN 3265
<b>14.2. UN proper shipping name</b>			
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Methansulfonsäure)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Methansulfonsäure)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Methansulfonsäure)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Methansulfonsäure)
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
No	No	No	No
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 274	<b>Special Provisions:</b> 274	<b>Special Provisions:</b> 274	<b>Special Provisions:</b> A3



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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> C3 <b>Tunnel restriction code:</b> (E)	<b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>Classification code:</b> C3	<b>Limited quantity (LQ):</b> 1 L <b>Excepted Quantities (EQ):</b> E2 <b>EmS-No.:</b> F-A, S-B	<b>Limited quantity (LQ):</b> Y840 <b>Excepted Quantities (EQ):</b> E2

### 14.7. Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU legislation

##### Other regulations (EU):

Ingredients according to the Detergents Regulation 648/2004/EG:

Nonionic surfactants: less than 5%  
oxygen-based bleaching agents

#### 15.1.2. National regulations

No data available

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

Substance name	Type	source of supply
<b>hydrogen peroxide</b> CAS No.: 7722-84-1 EC No.: 231-765-0	LC <sub>50</sub> ; EC <sub>50</sub> ; NOEC; LOEC	Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Corr. 1</i> )	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.

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### Hazard statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

### 16.6. Training advice

No data available

### 16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.