

**Safety Data Sheet** according to Appendix II of the directive 1907/2006/EU and regulation No. 453/2010/EU

**OTTO  
OFFICE**

Trade name: Otto Office WC-frisch

Date of issue: 11 Jan 2017  
Version: 1  
Revised: 12.08.2018

## 1. Identification of the substance/mixture and of the company/undertaking

### Identification of the substance/mixture: Otto Office WC-frisch

Product name: Otto Office **WC-frisch**

Product number: 23200 / 23212

**Use of the substance or mixture:** Toilet cleaner

- **Manufacturer/supplier:** Otto Office GmbH & Co. KG; Fabriciusstr. 105 a; 22177 Hamburg; Germany

- **Further information available from:** Perladin Haushaltchemie GmbH, Henneberger Str. 9, 98617 Meiningen, Germany; Tel.: +49 3693 41935, Fax: +49 3693 41936, Email: [perladin@perladin.de](mailto:perladin@perladin.de)

- **Emergency telephone number:** local Emergency poison centre

**Competent person** for compiling the SDS: Christian Nürnberger-Technologieberatung  
Tel.: +49 34298 35674  
[Nuernberger-Taucha@t-online.de](mailto:Nuernberger-Taucha@t-online.de)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008:**

No hazard

### 2.2 Label elements

**Labelling according to Regulation (EC) No. 1272/2008**

No labelling necessary

### 2.3 Other hazards:

No special hazards known

## 3. Composition/ Information on ingredients

The product is a mixture of non-hazardous ingredients with

%	NAME OF THE SUBSTANCE	CAS	EC	REACH
< 2.5	paraffin oils, sulfochlorinated, saponified	68188-18-1	269-144-1	01-2119517577-32-0001



Caution

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H302, H315, H319, H412				
2.5 -10.0	Citric acid	77-92-9	201-069-1	01-2119457026-42-xxxx
H319				
< 0.05	Isopropyl alcohol	67-63-0	200-661-7	01-2119457558-25
H225, H319, H336				
<0.025	(R)-(+)-Limonene	5989-27-5	227-813-5	01-2119493353-35-XXXX
Hazard,				
H226, H304, H315, H317, H410				
H-phrases: in full under position 16				

#### 4. First aid measures

##### 4.1 Description of first aid measures

**General:** Remove contaminated clothing.

**If inhaled:** Move to fresh air. Consult doctor if symptoms persist.

**In case of skin contact:** Rinse affected skin with plenty of water. Seek medical advice if irritation persists.

**In case of eye contact:** Remove contact lenses if present, hold the eyelids open and rinse for at least 10 min with clean, lukewarm water.

**If ingested:** Rinse mouth with water. Never administer anything by mouth to an unconscious person. Do not induce vomiting. Call a doctor.

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

No further information available.

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

No further information available.

#### 5. Firefighting measures

**5.1 Suitable extinguishing media:** CO<sub>2</sub>, water spray, alcohol-resistant foam

**Unsuitable extinguishing media:** Water jet

**5.2. Special hazards arising from the substance or mixture:** None

**5.3. Precautions for firefighters:** No further information available.

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## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Spilled product presents a significant slip hazard.

**Environmental precautions:** Do not release undiluted into waters.

**Methods and material for containment and cleaning up:** Dispose contaminated material according to local legislation.

## 7. Handling and storage

### 7.1 Handling

Precautions for safe handling: No further information available.

Information on fire and explosion protection: No further information available.

### 7.2 Storage

Requirements for storage areas and containers: Store in a cool, dry place in tightly closed containers.

Requirements concerning the proximity from incompatible compounds: Store separately from foodstuffs and animal feed products.

**7.3 Specific end uses:** Acidic toilet cleaner

## 8. Exposure Controls / Personal Protection

### 8.1 Specific control parameters:

**DNEL:** No information available

**AGL:** No information available

**PNEC:** No information available

### 8.2 Exposure controls

#### Risk management

#### **Collective safety precautions:**

No special measures required for intended use.

#### **Individual safety precautions:**

**Respiratory protection:** Not required.

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**Hand protection:** Not required.  
**Eye protection:** Not required.  
**Skin and body protection:** Not required.  
**Industrial hygiene:** Do not eat, drink, smoke or chew tobacco on the job.  
Keep away from food, beverage and animal feed products.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

### 8.2.2 Environmental control

Do not release undiluted into sewers or surface water.

## 9. Physical and Chemical Properties

### 9.1 General information

Form: Gel  
Colour: Yellow, may vary slightly  
Odour: Citrusy

### 9.2 Important information on health, environmental and safety precautions

Melting point/range: Not determined  
Boiling point/range: 100°C  
Flash point: Not applicable  
Autoflammability: Product is not self-igniting  
pH (undiluted solution) 3.0  
Density (at 20° C): 1.01  
Solubility in water: Infinitely miscible with water  
Viscosity: Not determined

### 9.3 Other Information

No further information available.

## 10. Stability and Reactivity

### 10.1 Reactivity

Minor neutralization reactions with alkaline media.

### 10.2 Chemical stability

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The product does not decompose during storage or the recommended use.

### 10.3 Possibility of hazardous reactions

Not known

### 10.4 Conditions to be avoided

High temperatures

### 10.5 Substances to be avoided

Aluminium packaging

### 10.6 Hazardous decomposition products

Not known

## 11. Toxicological Information

**Acute Toxicity** Does not exist; has not been observed.

**Acute Toxicity (oral):** Not determined

**Acute Toxicity (dermal):** Not determined

**Inhalation toxicity:** Not determined

## 12. Ecological Information

### 12.1 Ecotoxicity

Fish Toxicity	Component	Species	Type	Exposure time	Value
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Daphnia Toxicity	Component	Species	Type	Exposure time	Value
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Toxicity to aquatic plants	Component	Species	Type	Exposure time	Value
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### 12.2 Mobility in soil

No relevant information available.

### 12.3 Persistence and Degradability

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This product complies with the standards of biological degradability according to regulation No. 648/2004(EC) (detergents).

#### 12.4 Bio accumulative potential

Bio-accumulation in organisms is not expected.

#### 12.5 Results of PBT and vPvB Assessment

The compound does not meet the criteria for PBT or vPvB according to regulation No. 1907/2006(EC), appendix XIII

#### 12.6 Other adverse effects

No further relevant information available.

### 13. Disposal Considerations

**Product:** Disposal according to legal regulations.

**Uncleaned packaging:** Disposal according to legal regulations.

### 14. Transport Information

This information applies to transport via road/rail (ADR/RID) • inland waterways (ADN/ANDR) • ocean (IMDG) • air (IATA, ICAO)

Not classified as hazardous according to the above regulations.

#### EC regulations:

Regulation (EC) No. 1005/2009 (Substances that deplete the ozone layer): Not applicable

Regulation (EC) No. 850/2004 (Persistent organic pollutants): Not applicable

Regulation (EC) No. 689/2008 (Export and import of dangerous chemicals): Not applicable

Restrictions according to section VIII of Regulation (EC) No. 1907/2006 (REACH): None

#### National regulations (Germany):

Classification according to BetrSichV:  
Water hazard classification: WGK 0 (VwVwS Appendix 4): Not hazardous to waters (self-classification)  
DetergentienVO  
Determining components for labelling:  
<2.5 % anionic surfactants, contains <0.025% (R)-(+)-Limonene, citral,  $\alpha$ -pinene,  $\beta$ -pinene, dye

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**Chemical safety assessment:**

This product contains substances for which no chemical assessment is required. Therefore, no chemical safety assessment has been carried out for the mixture.

**16. Other information**

**H-phrases from section 3:**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H336 May cause drowsiness or dizziness.  
H410 Very toxic to aquatic life with long-lasting effects.  
H412 Harmful to aquatic life with long-lasting effects.

**Training information:**

Provide proper information, instruction and training for operators and employees.

**Sources:**

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Data Sheet issued by, commissioned by the supplier/distributor:

*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. It does not establish any legal relationship.*