

# Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : B 10 Wipe Disinfectant  
Revision : 12.01.2010      Version : 4.0.0  
Print date : 12.01.2010

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

**Product name :** oro<sup>®</sup> Hygienesystem B 10 Wipe Disinfectant  
**Use of the substance / preparation :** B 10 is an aldehyde-free concentrate for simultaneously disinfecting and cleaning all washable surfaces and objects (floors, walls, fixtures, devices).  
**Manufacturer/Supplier :** orochemie GmbH + Co. KG  
**Street/P.O.Box :** Max-Planck-Straße 27  
**Country code/Postal code/Town/City :** 70806 Kornwestheim  
**Telephone :** +49 7154 1308-0  
**Telefax :** +49 7154 1308-40  
**Emergency information :** +49 7154 1308-0

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## 02. Hazards identification

### Hazard designation

Risk of serious damage to eyes. - Irritating to skin.  
Classification : Xi ; R 41 - Xi ; R 38

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## 03. Composition/information on ingredients

### Chemical characterization

B 10 contains quaternary ammonium compounds, alkaline cleaning agents, complexing agents, corrosion inhibitors and auxiliary agents in aqueous solution.

### Hazardous components

FATTY ALCOHOL POLYGLYCOL ETHER ; CAS-No. : 97043-91-9

Percentage : 3 - 8 %  
Classification : Xi ; R 41 Xn ; R 22

DIOCTYL-DIMETHYL AMMONIUM CHLORIDE ; CAS-No. : 68424-95-3

Percentage : 1 - 5 %  
Classification : R 10 N ; R 50 C ; R 34 Xn ; R 22

SODIUM ETHYLENEDIAMINETETRAACETATE ; EC-No. : 200-573-9; CAS-No. : 64-02-8

Percentage : 1 - 5 %  
Classification : Xi ; R 41 Xn ; R 22

DODECYLDIMETHYLBENZYLAMMONIUM CHLORIDE ; EC-No. : 287-089-1; CAS-No. : 85409-22-9

Percentage : 0,5 - 1 %  
Classification : N ; R 50 C ; R 34 Xn ; R 22

POTASSIUM HYDROXIDE ; EC-No. : 215-181-3; CAS-No. : 1310-58-3

Percentage : 0,5 - 2 %  
Classification : C ; R 35 Xn ; R 22

For the wording of the listed risk phrases refer to section 16.

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## 04. First-aid measures

### General

Immediately remove all contaminated clothing.

### After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

### After skin contact

Flush with plenty of water.

### After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

### After ingestion

Drink plenty of water. Do not induce vomiting. Contact a doctor immediately.

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### 05. Fire-fighting measures

#### **Suitable extinguishing media**

Carbon dioxide. Extinguishing powder. Water haze. Not combustible under normal conditions. Adapt extinguishing measures to suit the environment.

#### **Unsuitable extinguishing media**

Waterjet.

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

None known.

#### **Special protective equipment**

Adapt protective equipment to surrounding fire.

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### 06. Accidental release measures

#### **Personal precautions**

Wear suitable protective clothing, gloves and eye/face protection.

#### **Environmental precautions**

Prevent from flowing into surface water/ground water.

#### **Methods for cleaning up/collecting**

Take up with a liquid absorbing material and proceed according to the waste disposal regulations.

#### **Additional information**

Remove according to regulations.

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### 07. Handling and storage

#### **Information for safe handling**

Containers to be opened and handled with care.

#### **Information about protection against explosions and fires**

No anti-explosion measures necessary.

#### **Requirements to be met by storerooms and containers**

Keep only in the original container. Keep in a cool place. Do not store in temperatures below 5 °C.

#### **Information about separation of incompatible products**

Store the foodstuffs separately.

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### 08. Exposure controls/personal protection

#### **Additional information about engineering measures**

No particular measures required.

#### **Personal protective equipment**

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff. Avoid contact with skin and eyes.

#### **Respiratory protection**

No particular measures required.

#### **Hand protection**

Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

#### **Eye protection**

Use tightly fitting safety glasses.

#### **Body protection**

No particular measures required.

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### 09. Physical and chemical properties

#### **Image**

Form : Liquid.

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Colour : Clear. Yellow.  
Odour : Mild aromatic.

### Relevant safety data

Melting point / range :	( 1013 hPa )	no data available	
Boiling point / range :	( 1013 hPa )	ca. 100 °C	
Flash point :		not applicable	DIN 51755
Ignition temperature :		not applicable	
Lower explosion limit :		not applicable	
Upper explosion limit :		not applicable	
Density :	( 20 °C )	1,07 - 1,1	g/cm <sup>3</sup>
Solubility in water :	( 20 °C )	100	% b.w.
pH value :	( 20 °C / 20 g/l )	9,5 - 10,5	

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## 10. Stability and reactivity

### Conditions to avoid

None, if handled according to order.

### Materials to avoid

None known.

### Hazardous decomposition products

None known.

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## 11. Toxicological information

### Toxicological tests

#### LD50/LC50 values that are relevant for classification

No data available.

#### Primary irritant effect

No data available.

#### Sensitization

No data available.

### Experience on practice

The product has an irritating effect on eyes and skin.

### Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

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## 12. Ecological information

### Details on elimination (persistence / degradability)

#### Abiotoxic elimination

No data available.

#### Biological degradation / elimination

All active agents are biodegradable at the dilution rates arising in the sewage system.

### Fate in environmental compartments

There are no data available on the preparation itself.

### Ecotoxicological effects

#### Performance in sewage-treatment plants

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

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## 13. Disposal considerations

### Product

Concentrate/larger quantities: EWC 07 06 99 Waste, n.o.s. (disinfectant). Disposal in conformity with authority regulations.

### Contaminated packaging

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.

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## 14. Transport information

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## Land transport ADR/RID

### Classification

Class : 8      Kemlercode : 80  
UN number : 1719      Classification-Code : C5  
LQ 7 - E 1 - Tunnel restriction code : E

### Proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.

### Hazardous components

DIOCTYL-DIMETHYL AMMONIUM CHLORIDE · POTASSIUM HYDROXIDE

### Packaging

Packaging group : III  
Label : 8

## Maritime transport IMDG/GGVSea

### Classification

IMDG-Code : 8      EmS number : F-A / S-B  
UN number : 1719      Marine Poll. : -  
LQ 5 I - E 1

### Proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.

### Hazardous components

DIOCTYL-DIMETHYL AMMONIUM CHLORIDE · POTASSIUM HYDROXIDE

### Packaging

Packaging group : III  
Label : 8

## Air transport ICAO-TI and IATA-DGR

### Classification

Class : 8 / -  
UN number : 1719  
E 1

### Proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.

### Hazardous components

DIOCTYL-DIMETHYL AMMONIUM CHLORIDE · POTASSIUM HYDROXIDE

### Packaging

Packaging group : III  
Label : 8

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## 15. Regulatory information

### Classification according to EC directives

#### Danger symbol and danger designation



Xi ; Irritant

#### R-phrases

41      Risk of serious damage to eyes.  
38      Irritating to skin.

#### S-phrases

37/39      Wear suitable gloves and eye/face protection.  
26      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice .  
46      If swallowed, seek medical advice immediately and show this container or label.  
28      After contact with skin, wash immediately with plenty of water.

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## 16. Other information

### Processing instructions / technical data sheets

Please observe the label/directions for use!

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### Further information

#### Relevant changes

03. Hazardous components - 08. Components with critical values that require monitoring at the workplace (exposure limits)

#### R-Phrases of components

10	Flammable.
22	Harmful if swallowed.
34	Causes burns.
35	Causes severe burns.
41	Risk of serious damage to eyes.
50	Very toxic to aquatic organisms.

#### Contact

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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.

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