



Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

## SAFETY DATA SHEET

### B8 OPTIMA TOILET CLEANER & DESCALER

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

##### 1.1. Product identifier

▼ Trade name : B8 OPTIMA TOILET CLEANER & DESCALER

▼ Product no. : B8

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

Relevant identified uses of the substance or mixture : Cleaning product

▼ Uses advised against : None known.

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

Company and address : **Orca Hygiene**  
Blackhouse Circle, Blackhouse Industrial Estate,  
AB42 1BN Peterhead  
United Kingdom  
Tel: +44 (0)1779 871945

E-mail : technical@orcahygiene.com

Revision : 10/11/2022

SDS Version : 2.0

Date of previous version : 12/09/2022 (1.0)

##### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).  
See section 4 "First aid measures".

#### SECTION 2: Hazards identification

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

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.

##### 2.2. Label elements

Hazard pictogram(s) :





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- Signal word** : Warning
- Hazard statement(s)** : Causes skin irritation. (H315)  
Causes serious eye irritation. (H319)
- Safety statement(s)** : General :  
-  
Prevention  
Wear eye protection/protective gloves. (P280)  
Wash hands thoroughly after handling. (P264)  
Response  
IF ON SKIN: Wash with plenty of water and soap. (P302+P352)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
If eye irritation persists: Get medical advice/attention. (P337+P313)  
Storage  
-  
Disposal  
-
- Hazardous substances** : sulphamic acid
- Additional labelling** : Not applicable.
- 2.3. Other hazards**
- Additional warnings** : This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.  
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
sulphamic acid	CAS No.: 5329-14-6 EC No.: 226-218-8 UK-REACH: Index No.: 016-026-00-0	5-10%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs.	CAS No.: 1218787-32-6 EC No.: 620-540-6 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Skin Corr. 1C, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	



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Sodium (xylenes and 4-ethylbenzene)sulfonates	CAS No.: EC No.: 701-037-1 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	
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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

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## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

- General information** : In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
- Inhalation** : Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
- Skin contact** : IF ON SKIN: Wash with plenty of water and soap.  
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.  
If skin irritation occurs: Get medical advice/attention.
- Eye contact** : Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
- Ingestion** : Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.
- Burns** : Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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



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If eye irritation persists: Get medical advice/attention.

**Information to medics** : Bring this safety data sheet or the label from this product.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides

Nitrogen oxides (NO<sub>x</sub>)

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## **SECTION 6: Accidental release measures**

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

Avoid direct contact with spilled substances.

### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### **6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Smoking, drinking and consumption of food is not allowed in the work area.



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See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Recommended storage material** : Keep only in original packaging.

**Storage temperature** : Dry, cool and well ventilated

**Incompatible materials** : Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

This product should only be used for applications quoted in section 1.2

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

No substances are listed in the national list of substances with an occupational exposure limit.

#### **DNEL**

Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs.

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	420 µg/kgbw/day
Long term – Systemic effects - Workers	Inhalation	2.96 mg/m <sup>3</sup>

sulphamic acid

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	10 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	70.5 mg/m <sup>3</sup>

#### **PNEC**

Ethanol, 2,2'-iminobis-, N-(C16-18 and C18-unsatd. alkyl) derivs.

Route of exposure	Duration of Exposure	PNEC
Freshwater		214 ng/L
Freshwater sediment		1.692 mg/kg
Intermittent release (freshwater)		870 ng/L
Marine water		21.4 ng/L
Marine water sediment		169.2 µg/kg
Predators		2 mg/kg



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Sewage treatment plant		1.5 mg/L
Soil		5 mg/kg

sulphamic acid

Route of exposure	Duration of Exposure	PNEC
Freshwater		1.8 mg/L
Freshwater sediment		8.36 mg/kg
Intermittent release (freshwater)		480 µg/L
Marine water		180 µg/L
Marine water sediment		840 µg/kg
Sewage treatment plant		20 mg/L

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

- General recommendations** : Smoking, drinking and consumption of food is not allowed in the work area.
- Exposure scenarios** : There are no exposure scenarios implemented for this product.
- Exposure limits** : Occupational exposure limits have not been defined for the substances in this product.
- Appropriate technical measures** : Apply standard precautions during use of the product. Avoid inhalation of vapours.
- Hygiene measures** : Take off contaminated clothing and wash it before reuse.
- Measures to avoid environmental exposure** : No specific requirements.


## 8.3. Individual protection measures, such as personal protective equipment

**Generally** : Use only UKCA marked protective equipment.

**Respiratory Equipment** : No specific requirements

**Skin protection** : No specific requirements.

**Hand protection** :

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves			EN374	

**Eye protection** : No specific requirements.



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## **SECTION 9: Physical and chemical properties**

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

<b>Physical state</b>	: Liquid
<b>Colour</b>	: Blue
<b>Odour / Odour threshold</b>	: Lemon like
<b>pH</b>	: 1.2 - 2
<b>Density (g/cm<sup>3</sup>)</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Relative density</b>	: 1
<b>Kinematic viscosity</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Particle characteristics</b>	: Does not apply to liquids.

#### **Phase changes**

<b>Melting point/Freezing point (°C)</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Softening point/range (waxes and pastes) (°C)</b>	: Does not apply to liquids.
<b>Boiling point (°C)</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Vapour pressure</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Relative vapour density</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Decomposition temperature (°C)</b>	: Testing not relevant or not possible due to the nature of the product.

#### **Data on fire and explosion hazards**

<b>Flash point (°C)</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Ignition (°C)</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Auto flammability (°C)</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Lower and upper explosion limit (% v/v)</b>	: Testing not relevant or not possible due to the nature of the product.

#### **Solubility**

<b>Solubility in water</b>	: Completely soluble
<b>n-octanol/water coefficient</b>	: Testing not relevant or not possible due to the nature of the product.
<b>Solubility in fat (g/L)</b>	: Testing not relevant or not possible due to the nature of the product.

### **9.2. Other information**

<b>Other physical and chemical parameters</b>	: No data available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. ▼ Possibility of hazardous reactions

None known.

### 10.4. ▼ Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

<b>Acute toxicity</b>	: Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	: Causes skin irritation.
<b>Serious eye damage/irritation</b>	: Causes serious eye irritation.
<b>Respiratory sensitisation</b>	: Based on available data, the classification criteria are not met.
<b>Skin sensitisation</b>	: Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

<b>Long term effects</b>	: Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
<b>▼ Endocrine disrupting properties</b>	: None known.





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▼ **Other information** : None known.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

No data available.

### **12.2. Persistence and degradability**

No data available.

### **12.3. Bioaccumulative potential**

No data available.

### **12.4. Mobility in soil**

No data available.

### **12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### **12.6. ▼ Endocrine disrupting properties**

None known.

### **12.7. Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## **SECTION 13: Disposal considerations**

### **Waste treatment methods**

Product is not covered by regulations on dangerous waste.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### **EWC code**

Not applicable.

### **Specific labelling**

Not applicable.

### **Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

## **SECTION 14: Transport information**



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	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### **Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

#### **14.6. Special precautions for user**

Not applicable.

#### **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**

**Restrictions for application** : Restricted to professional users.

**Demands for specific education** : No specific requirements.

**SEVESO - Categories / dangerous substances** : Not applicable.

**Additional information** : Not applicable.

**Sources** : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.  
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### **15.2. Chemical safety assessment**

No

### **▼ SECTION 16: Other information**

#### **Full text of H-phrases as mentioned in section 3**

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H319, Causes serious eye irritation.



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H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

H412, Harmful to aquatic life with long lasting effects.

### **Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

### **Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### **▼ The safety data sheet is validated by**

CW28722



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### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en