

## Safety data sheet according to Regulation (EC) No. 1907/2006 (REACH), Article 31

Version number: 1.0 / Date of creation: 30.03.2023

### MS 2000 Free Cleaning Spray

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Designation on the label/trade name: MS 2000 Free Cleaning Spray  
Article number: #14001516  
UFI Code: 3M5V-KA1Q-591T-DTXF

##### 1.2. Use of the substance / preparation

All-purpose cleaner with degreasing properties

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

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

Company name:	Baumann Dental GmbH	Telephone:	+49 (0) 7232 - 73218 - 0
Address:	Im Holderle 5	Fax:	+49 (0) 7232 - 73218 - 99
	D-76196 Remchingen		
E-mail:	info@baumann-dental.de	Information department:	
		Telephone:	+49 (0) 7232 - 73218 - 0
		E-mail:	info@baumann-dental.de

##### 1.4. Emergency telephone number

Germany: +49(0)551-1 92 40 (Poison Information Centre North, 24h in German and English)  
Austria: +43 406 43 43 (Poison Information Centre, 24h)

#### SECTION 2: HAZARDS IDENTIFICATION

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

The product is not subject to labelling with regard to skin irritant effects based on a DetNet expert opinion.

Classification according to Regulation 1272/2008

H317 Skin Sens.1 - May cause an allergic skin reaction.  
H318 Eye Dam. 1 - Causes serious eye damage.  
H412 Aquatic Chronic 3 - Harmful to aquatic life with long lasting effects.

##### 2.2 Label elements

Pictogram/s and signal word of the product:



Signal word: Hazard

Hazard statements:

H317 Skin Sens.1 - May cause an allergic skin reaction.  
H318 Eye Dam. 1 - Causes serious eye damage.  
H412 Aquatic Chronic 3 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children.  
P301/P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.  
P302/352 IF ON SKIN: Wash with plenty of water / soap.  
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

Component requiring labelling: alkyl polyglucosides, limonenes, linalool

##### 2.3 Other hazards

EUH 208 - Contains limonenes. May produce an allergic reaction.

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#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

##### 3.1 Substances

This product is a mixture

##### 3.2 Mixtures:

##### Composition/information on hazardous ingredients:

Lauryl glucoside C 10-17; CAS No.:	110615-47-9
REACH registration number:	01-2119489418-23-XXXX
Proportion:	< 15 %
Classification according to Regulation 1272/2008:	Eye Dam. 1, H 318; Skin Irrit. 2, H 315
Decyl glucoside; CAS No.:	68515-73-1
REACH registration number:	01-2119488530-36-XXXX
Proportion:	< 15 %
Classification according to Regulation 1272/2008:	Eye Dam. 1, H 318
Sodium lauryl sulphate; EC No.:	287-809-4; CAS No.: 85586-07-8
REACH Registration No.:	01-2119489463-28
Proportion:	< 10 %
Classification according to Regulation 1272/2008:	Acute Tox. 4, H302; Eye Dam. 1, H318; Skin irrit. 2, H315; Aquatic Chronic 3, H412
Orange oil; EC No.:	232-433-8; CAS No.: 8028-48-6
REACH Registration No.:	01-2119493353-53-XXXX
Proportion:	< 1.5 %
Classification according to Regulation 1272/2008:	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317
Substances with prescribed EC limit values::	
Ethanol; EC No.:	200-578-6; CAS No.: 64-17-5
REACH Registration No.:	01-2119457610-43-XXXX
Proportion:	< 5 %
Classification according to Regulation 1272/2008:	Flam.Liq.2, H225; Eye Irrit. 2, H319

The wording of the listed hazard warnings is given in Section 16.

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

General notes:

No special measures required.

Following inhalation:	n/a
Following skin contact:	rinse with water.
Following eye contact:	rinse immediately with copious amounts of water for 15 min; if necessary, consult an ophthalmologist.
If swallowed:	rinse mouth with water. Consult physician if necessary.

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

None known.

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

None.

#### 5. FIREFIGHTING MEASURES

##### 5.1 Extinguishing media:

##### Suitable extinguishing media:

Carbon dioxide, foam, dry chemicals

##### 5.2 Special hazards arising from the mixture:

None.

##### 5.3 Advice for firefighting:

Avoid penetration of extinguishing water into surface water, groundwater as well as soil.

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#### 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

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

Follow normal precautions for handling chemicals.

##### 6.2 Environmental precautions

Prevent the product and large quantities of contaminated wash water from penetrating into waters and soil. Cover the sewage system to prevent the product from entering the sewage system.

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

In case of larger quantities: pump off product.

In case of residues: contain spilled material with neutralising and non-combustible absorbent and collect for disposal in the designated containers according to local regulations.

Collect small quantities (up to approx. 1L) using plenty of water, dispose of water in the sewage system.

##### 6.4 Reference to other sections

Observe protective measures in Sections 7, 8 and 13.

#### 7. HANDLING AND STORAGE

##### 7.1 Precautions for safe handling:

Notes on safe handling:

Do not leave containers standing open.

General hygiene measures:

- Do not eat, drink or smoke in areas where work is being performed
- Wash hands after handling
- Remove contaminated clothing before entering areas where food is being eaten.

Notes on fire and explosion protection:

No special measures required. Follow normal precautions for handling chemicals.

##### 7.2 Conditions for safe storage, including any incompatibilities: requirements for storage rooms and containers:

Recommended storage temperature: room temperature, do not store below 15°C.

Always store in containers that correspond to the original packaging.

##### 7.3 Specific uses:

All-purpose cleaner with degreasing properties.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters

64-17-5 Ethanol

OEL 960 mg/m<sup>3</sup>, 500 ml/m<sup>3</sup>

Z(l);DFG, Y

General notes:

see Section 7

##### 8.2 Personal protection equipment

The design of personal protection equipment is to be selected specific to the workplace, depending on the concentration and quantity of hazardous substances.

Respiratory protection:	Not required.
Hand protection::	Wear gloves
Eye protection:	Wear safety goggles

Environmental exposure controls:

See Sections 6 and 7.

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**MS 2000 Free Cleaning Spray****9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance:  
Aggregate state: liquid  
Colour: yellow-orange  
Odour: orange

Safety-relevant data:  
pH value (of product): 8.5 - 10.0  
Melting point / melting range: no data  
Boiling point / boiling range: no data  
Decomposition temperature: no decomposition if stored properly  
Flash point: n.a.  
Auto-ignition: the product is not self-igniting.  
Explosive limits: n.a.  
Relative density: 1.02 - 1.09 g/cm<sup>3</sup>  
Bulk density: not known  
Viscosity: 1300 - 3750 mPas  
Solubility in water: soluble in water

**9.2 Other information**

Additional physico-chemical data have not been determined.

**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No reactions when handled properly.

**10.2 Chemical stability**

The product is chemically stable under normal ambient conditions (room temperature).

**10.3 Possibility of hazardous reactions**

No hazardous reactions are to be expected when used as intended.

**10.4 Conditions to avoid:**

None.

**10.5 Incompatible materials:**

None.

**10.6 Hazardous decomposition products**

No hazardous decomposition products are formed when used and stored as intended.

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute oral toxicity:  
ATE (mix.) = > 2000mg/kg (LD50 value, rats; calculated)

Acute dermal toxicity:  
ATE (mix.) = > 2000mg/kg (LD50 value, rabbits; calculated)

Acute inhalation toxicity:  
ATE (mix.) = > 5 mg/l (LC50 value, rats; calculated)

Irritation:

Based on a DetNet expertise, the classification criteria regarding skin irritant effect are not met (see Section 15). Eye irritation possible.

Corrosivity:

Based on available data, the classification criteria are met (conventional method).

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**Sensitisation:**

Based on available data, the classification criteria are met (conventional method).

**Repeated dose toxicity:**

Not tested.

**Carcinogenicity:**

Not tested.

**Mutagenicity:**

Not tested.

**Reproductive toxicity:**

Not tested.

**Further information:**

The toxicological classification of the mixture is based on the results of the calculation method (conventional method).

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Based on the calculation for this mixture, the classification is H412- "Harmful to aquatic life with long lasting effects".

### 12.2 Persistence and degradability

The surfactants contained in this preparation meet the conditions of biodegradability as laid down in Regulation (EC) No 648/2004 for detergents.

### 12.3 Bioaccumulative potential

No bioaccumulative potential

### 12.3 Bioaccumulative potential

No bioaccumulative potential.

### 12.4 Mobility in soil

No relevant data available.

### 12.5 Results of PBT and vPvB assessment

No relevant data available.

### 12.6 Other adverse effects

No data available.

## 13. NOTES ON DISPOSAL

### 13.1 Waste treatment methods

Disposal in accordance with official regulations.

**Recommendation:**

Discuss the exact waste code with the waste disposal company.

**Waste disposal code:**

None known.

**Packaging:**

Uncleaned packaging:

Emptied containers can be disposed of with household waste.

Cleaned packaging:

Uncontaminated and cleaned packaging can be recycled.

Recommended cleaning agent: water.

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**14. TRANSPORT INFORMATION**

**14.1 UN number**

n/a

**14.2 UN proper shipping name**

n/a

**14.3 Transport hazard classes**

n/a

**14.4 Packing group**

n/a

**14.5 Environmental hazards**

n/a

**14.6 Special precautions for user**

See Sections 6-8

**14.7 Transport in bulk according to Annex II of MARPOL Agreement 73/78 and the IBC Code**

Delivery shall be made exclusively in packaging which is approved and suitable according to traffic laws.

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the mixture**

The product is classified and labelled according to EC Directives / the respective national regulations.

National regulations:

Water hazard class: 2 according to VwVwS [administrative regulation], Annex 4

SVHC

The product does not contain any substances of very high concern (SVHC).

**15.2 Chemical safety assessment:**

The mixture has not been subjected to a safety assessment.

Other assessments:

The product has been assessed by an expert. In this regard, the manufacturer holds a DetNet expert opinion (No. DetNet/1825), which can be inspected. The assessment is conducted by applying the so-called "bridging" (analogy method).

**16. OTHER INFORMATION**

To the best of our knowledge, the information in this safety data sheet corresponds to our information at the time of printing. This is intended to give you guidance on the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Hazard warnings referred to in Section 3:

According to Regulation 1272/2008:

H notes:

- 226 Flammable liquid and vapour.
- 302 Harmful if swallowed.
- 304 May be fatal if swallowed and enters airways.
- 315 Causes skin irritation.
- 317 May cause allergic skin reactions.
- 318 Causes serious eye damage.
- 319 Causes serious eye irritation.
- 400 Very toxic to aquatic life.
- 410 Very toxic to aquatic life with long lasting effects.
- 412 Harmful to aquatic life with long lasting effects.

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Prevention:

P102	Keep out of reach of children.
P301/P312	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P302/352 -	IF ON SKIN: wash with plenty of water / soap.
P305/P351/P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Literature references and data sources:

Regulations

Preparations Directive (1999/45/EC), as last amended by Regulation (EC) No 1907/2006  
Substance Directive (67/548/EEC), as last amended by Directive 2009/2/EC  
REACH Regulation (EC) No 1907/2006, as last amended by Regulation (EU) No 253/2011  
CLP Regulation 1272/2008

DetNet expert opinion: expert model of the A.I.S.E., model is based on analogies to comparative formulations; more detailed information is available on the DetNet website

<http://www.baua.de>  
<http://www.arbeitssicherheit.de>  
<http://www.gestis.itrust.de>  
<http://www.ikw.org>