

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

Version number: 1.3 / Creation date: 28.06.2022

### MS 2000 Free Separating Agent

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

##### 1.1. Product identifier

Designation on the identification label/trade name : MS 2000 Free Separating Agent  
Article number: #14001262 (100 ml) / # 14001265 (500 ml)  
UFI-Code: 2TFU-OAQV-D914-D3X2

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

Relevant identified use:	Care product
Relevant identified uses [SU]:	SU22 Commercial uses: Public sector (administration, education, entertainment, services, trade)
Product categories [PC]:	PC31 polishing agents and wax mixtures
Process categories [PROC]:	PROC19 Hand mixtures with direct exposure and protected only by personal protective clothing.
Environmental release categories [ERC]:	ERC8a Widespread dispersive indoor use of process aids in open systems
Article categories [AC]:	Uses which are not recommended/remarks: The product is intended for professional users.

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

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

Company name:	Baumann Dental GmbH	Telephone:	+49 (0) 7232 - 73218 - 0
Address:	Im Hölderle 5 D-76196 Remchingen	Fax:	+49 (0) 7232 - 73218 - 99
E-mail:	info@baumann-dental.de	Department responsible for information:	
		Telephone:	+49 (0) 7232 - 73218 - 0
		E-mail:	info@baumann-dental.de

##### 1.4. Emergency telephone number

Germany: +49(0)551-19240 (Poison Information Centre North, 24h in German and English)

Austria: +43(0)1-4064343 (Poison Information Centre, 24h)

#### SECTION 2: HAZARDS IDENTIFICATION

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

AspTox 1      H304      May be fatal if swallowed and enters airways.

##### 2.2. Label elements

Pictogram/s and signal word of the product:



Signal word:      Hazard

Hazard statements:

H304      May be fatal if swallowed and enters airways.  
EUH066      Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P102      Keep out of reach of children.  
P280      Wear protective gloves.  
P301 + P310      IF SWALLOWED: Immediately call a doctor.  
P331      Do NOT induce vomiting.  
P405      Store locked up.  
P501      Dispose of contents/container to an industrial incinerator/dual system.

##### 2.3. Other hazards

The mixture does not meet the criteria for classification as a PBT or vPvB.

Possible harmful physical and chemical effects: This material is flammable, but not easily ignited.Possible harmful effects on humans and possible symptoms: Repeated or continued exposure may cause skin irritation and dermatitis due to the degreasing properties of the product.Possible harmful effects on the environment: See Section 12. No other hazards known.

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#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1. Substances

This product is a mixture with additives that do not require labelling.

##### 3.2. Mixtures

Composition/information on ingredients and/or substances with prescribed EC limit values

CAS No.:	Reach No.:	EINECS:	C11-C14 Iso-alkanes proportion >30%
90622-58-5	01-2119472146-39; 01-2119556810-	918-167-1	

Classification according to Regulation (EC) No. 1272/2008: AspTox1 H304

(The wording of the listed hazard statements is given in Section 16)

Regulation (EC) No. 648/2004 (Detergents Regulation)/Labelling of ingredients:  
>30% aliphatic hydrocarbons

Contained allergenic fragrances according to Guideline 2003/15/EEC: ---

Contained preservatives: ---

#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of first aid measures

General notes:

In case of an accident or feeling unwell, seek medical advice immediately (if possible, provide operating instructions or safety data sheet).

Change soiled, soaked clothing.

In all cases of doubt or if symptoms are present, seek medical advice.

Never administer anything by mouth to an unconscious person or if cramps occur.

If inhaled:

Take affected persons outdoors and keep them warm and quiet.

If symptoms persist, consult a doctor.

Following skin contact:

Remove clothing contaminated with product.

Wash off with plenty of soap and water.

Following eye contact:

In case of contact with eyes, rinse immediately with running water with the eyelid open for 10 to 15 minutes and seek an eye specialist's advice.

Remove contact lenses. Protect uninjured eye.

If swallowed:

If swallowed, rinse mouth with copious amounts of water (only if the person is conscious) and seek medical attention immediately.

Do not induce vomiting.

In case of spontaneous vomiting, keep the head below the hip.

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

Symptoms: if inhaled: drowsiness, dizziness

if swallowed: lung irritation.

Hazards: state of anaesthesia,

if swallowed: pneumonia.

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

Treatment: Symptomatic treatment Administration of antidote.

Monitor circulation.

Subsequent monitoring for pneumonia and pulmonary oedema.

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#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

Suitable extinguishing media: foam, dry powder, carbon dioxide  
 Extinguishing media unsuitable for safety reasons: full water jet

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

In case of fire the following can occur: various aggressive gases

##### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and chemical protection suit. Do not inhale explosion and fire gases.  
 Use a water spray to protect persons and cool containers in the danger area.

Fire class: B (fires of liquids or substances turning liquid).

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

###### 6.1.1. For non-emergency personnel

Keep unprotected persons away.  
 Stay on windward side. Use personal protective equipment and observe protective measures under Sections 7 and 8.

###### 6.1.2. For emergency responders

Wear protective equipment. (see Section 8).

##### 6.2. Environmental precautions

Do not allow to enter the sewage system or waters. Prevent spreading over a wider area (e.g. by damming or oil barriers).  
 Ensure that leaks can be contained (e.g. drip trays or collection systems)  
 Eliminate leaks immediately.

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

Suitable material for dilution or neutralisation: collect mechanically and place in suitable containers for disposal.  
 Suitable material for absorption: universal binder

##### 6.4. Reference to other sections

Observe Section 8 and Section 13.

#### SECTION 7: HANDLING AND STORAGE

##### 7.1. Precautions for safe handling

###### 7.1.1. Recommendations

###### a) Safe handling:

Observe protective equipment and exposure (see Section 8).  
 Attention is drawn to compliance with TGRS 500 (minimum standards for the protection of employees).

Specific requirements or handling regulations: ensure good ventilation when using the product indoors.

###### Measures to prevent fires as well as aerosols - no special measures and dust formation:

No special measures

###### b) Handling of incompatible substances and mixtures:

Do not mix with: other cleaning agents  
 Keep away from: oxidising agents  
 The product is: flammable

###### c) Processes and conditions which change the properties of the mixture:

Hot product develops flammable vapours.

###### d) Measures to prevent release into the environment:

Provide a containment container, e.g. floor pan without drain.  
 Ventilation: open windows to ensure natural ventilation  
 Clean floor and soiled objects with: solvent

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**7.1.2. Hygiene measures at the workplace:**

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

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

Technical measures and storage conditions: No special measures required.  
Packaging materials: Metal

**Requirements for storage rooms and containers:**

Suitable material for containers/equipment: Metal  
Suitable flooring material: Material, solvent-resistant  
Additional storage conditions: Floors should be impermeable, liquid-resistant and easy to clean

**Information on common storage:**

Do not store together with: Food and animal feeds  
**Further information on storage conditions:**  
Protection against: No special measures required  
Storage in general: Store locked up and out of reach of children  
Storage temperature: Store in a cool place  
Maximum period of storage: 36 months  
Storage class: SC 10 Flammable liquids unless SC 3

**7.3. Specific end uses**

Recommendations: Follow the instructions for use.  
Industry solutions: GIS code: 060

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1. Control parameters**

Occupational exposure limits:  
Workplace limit value

Substance identity			Workplace limit value			
Chemical name	CAS No.	Specification	ml/m3 (ppm)	mg/m3	Exceedance factor	Comments
C11-C14 Iso-alkanes	90622-58-5	TGRS900 OEL		600	2(II)	

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#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over the use of personal protective equipment. Ensure good ventilation. This can be achieved by local extraction or general ventilation. Suitable assessment methods for checking the effectiveness of the protective measures taken include metrological and non-metrological determination methods as described in the Technical Rules for Hazardous Substances (TRGS) 4021.

##### 8.2.2. Individual protective measures, for example personal protective equipment

###### a) Eye/face protection

Eye protection: In case of risk of splashing: frame glasses with side protection.

Body protection: Wear long-sleeved work clothes. Take off contaminated, soaked clothing immediately.

###### b) Skin protection

<u>Skin protection:</u>	Suitable material: NBR (nitrile rubber). FKM (fluorinated rubber).	Unsuitable material: Thick material. Chromate-free leather.
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Penetration time: > 480 min (DIN EN 374)

Thickness of glove material: > 0.8 mm

###### Additional hand protection measures:

When handling chemical substances, only chemical protective gloves with the CE mark including a four-digit test number may be worn. Chemical protective gloves must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances. It is recommended to check the chemical resistance of the above mentioned protective gloves for specific applications with the glove manufacturer.

###### c) Breathing protection

Breathing protection: No personal respiratory protection necessary in case of good ventilation.  
If technical extraction or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable breathing apparatus: gas filter device (DIN EN 141).  
A (organic gas/vapours, boiling point > 65°)

###### d) Thermal hazards

When used as intended, the product does not pose any thermal hazards.

###### General protection and hygiene measures:

Minimum standards for protective measures when handling work materials are listed in TRGS 500.

Do not eat, drink, smoke or sniff at work. Avoid contact with skin, eyes and clothing.

Wash hands prior to breaks and at the end of work.

Take off contaminated, soaked clothing.

##### 8.2.3. Environmental exposure controls

###### Product-related measures to avoid exposure

No special measures. Use only for the purposes indicated on the label.

###### Instructional measures to avoid exposure

No special measures. Use only for the purposes indicated on the label.

###### Organisational measures to avoid exposure

Ensure possibility to consult this safety data sheet.

###### Technical measures to avoid exposure

See Section 7. No further measures are required.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties for the entire mixture**

a) Appearance:	Aggregate condition: liquid		
	Colour: white milky		
b) Odour:	weak		
c) Odour threshold:	Not applicable		
d) pH value (as supplied):	n.a.		
e) Melting point:	< 0°C	Freezing point:	< 0°C
f) Initial boiling point and boiling range:	> 175°C		
g) Flash point:	> 62°C		
h) Evaporation rate:	No data available		
i) Flammability (solid, gaseous):	non-flammable		
j) upper/lower flammability or explosion limits:			
	Lower explosion limit (Vol-%):	7.00% C11-C14 Iso-alkanes	
	Upper explosion limit (Vol-%):	0.60% C11-C14 Iso-alkanes	
k) Vapour pressure:	48hPa		
l) Vapour density:	No data available		
m) relative density:	approx. 0.8		
n) Water solubility (solubilities):	immiscible		
o) Distribution coefficient n-octanol/water:	no data available		
p) Auto-ignition temperature:	No data available		
q) Decomposition temperature:	No data available		
r) Viscosity (kinematic):	< 20.5 mm <sup>2</sup> /s		
s) Explosive properties:	No data available		
t) Oxidising properties:	No data available		

**9.2. Other information**

No further parameters required

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

The formation of explosive vapours is possible at temperatures above the flash point. Avoid heat, flames and sparks.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

If heated above the flash point, explosive mixtures may occur.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Oxidising agent, strong

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to the release of irritant gases and vapours

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects:**

a) Acute toxicity

**Classification-relevant LD/LC<sub>50</sub> values: in mg/litre**

Chemical name	Toxicology oral	Toxicology dermal	Toxicology by inhalation
C11-C14 Iso-alkanes	5000	5000	5

The given data and information refer to the technical substance(s).

Mixture:

<u>ATEmix Oral</u>	>2000 = no classification	<u>ATEmix Dermal</u>	no classification	ATEmix by inhalation	>5 = no classification
<u>LD 50:</u>	---	<u>LD 50:</u>	---	<u>LD 50:</u>	---

(Calculation, 1272/2008 Part 3 3.1.2. Table 3.1.1)

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- |                                    |   |
|------------------------------------|---|
| b) Skin corrosion/irritation:      | non-irritant.   |
| c) Serious eye damage/irritation:  | non-irritant.   |
| d) Respiratory/skin sensitisation: |   |
|                                    | <u>Following skin contact:</u> non-sensitising.                       |
|                                    | <u>Following inhalation:</u> non-sensitising.                         |
| e) Germ cell mutagenicity:         | Based on the available data, the classification criteria are not met. |
| f) Carcinogenicity:                | Based on the available data, the classification criteria are not met. |
| g) Reproduction toxicity:          | Based on the available data, the classification criteria are not met. |
| h) STOT - single exposure:         | Based on the available data, the classification criteria are not met. |
| i) STOT - repeated exposure:       | Based on the available data, the classification criteria are not met. |
| j) Aspiration hazard:              | Aspiration hazard   |

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

Chemical name	LC 50 value fish	LC 50 value daphnia	LC 50 value bacteria	Degradability criteria
C11-C14 Iso-alkanes	> 1000 mg/l	> 1000 mg/l	> 1000 mg/l	

The given data and information refer to the technical substance(s).

**12.2. Persistence and degradability**

Physico- and photochemical elimination: no data known  
Biodegradability: The individual components are biodegradable.

**12.3. Bioaccumulative potential:**

Does not accumulate in organisms.

**12.4. Mobility in soil:**

no data known

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

The ingredients in this preparation do not meet the criteria for classification as a PBT or vPvB.

**12.6. Other adverse effects:**

No further data known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

a) Containers and processes for waste treatment

Disposal in accordance with EC Directive 2008/98/EC on waste and on hazardous waste in the respective current versions.

Product/packaging disposal:

EAK/AVV waste code: 13 03 10 Other insulating and heat transfer oils

Dispose of emptied and cleaned packaging in accordance with official regulations.

b) Physical/chemical properties that may influence waste treatment processes:

See Section 9

c) Information on disposal via waste water: No disposal via waste water.

d) Additional notes: Do not mix with other waste.

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

**14.2. UN proper shipping name**

Not dangerous goods within the meaning of these transport regulations.

**14.3. Transport hazard classes:**

Classification code: no

**14.4. Packing group:** not applicable

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#### 14.5 Environmental hazards:

ADR	no
IMDG	no
Marine pollutant:	no
EMS number:	no
IATA:	no

**14.6. Special precautions for user:** Attention when transporting various hazardous materials.

**14.7. Transport in bulk according to Annex II of the MARPOL Agreement 73/78 and according to the IBC Code:** not applicable

### SECTION 15: REGULATORY INFORMATION

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

##### EU regulations

Regulation (EC) No. 648/2004 (Detergents Regulation):

The product meets the criteria laid down in Regulation (EC) No 648/2004.

SVHC substances according to the candidate lists of the REACH Regulation Art 59 at the publication date of the safety data sheet:

No impurities > 0.1%

##### National regulations:

The employment restrictions to protect working mothers (MuschG) and working adolescents (JArbSchG) must be observed.

Water hazard class:	WGK 1 slightly hazardous to water	
Technical instructions air (TI-Airt):	Section 5.2.5. organic substances	66%
Reference to technical rules for hazardous substances (TRGS)		
TGRS 400:	Risk assessment for activities with hazardous substances	
TGRS 500:	Protective measures	
TGRS 555:	Operating instructions and information for employees	
TGRS 401:	Hazards due to skin contact - determination, assessment, measures	
DGUV-R 101-018	Handling of cleaning and care products	
DGUV-R 112-195	Use of protective gloves	
Solvents regulation (31. BImSchV)		
VOC value (in g/l):	660 g/litre	(calculated)

#### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

### SECTION 16: OTHER INFORMATION

#### a) References to changes

This safety data sheet is a new issue and has been completely revised.

Therefore no changes to the previous version are indicated.

#### b) Abbreviations and acronyms used

ADR	European Agreement concerning the international transport of dangerous goods by road
BImSchV	Regulation for the implementation of the Federal Immission Control Act
CAS	Chemical Abstracts Service
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DNEL	Derived No-Effect Level (REACH)
DIN	Standard of the German Institute for Standardisation
EAK/AVV	European waste type catalogue / Waste catalogue regulation
EINECS	European Inventory of Existing Commercial Chemical Substances
EC	European Community
EMS	Emergency Schedule
GGVS	Hazardous Goods Regulation Road Transport
GGVS	Hazardous Goods Regulation Road Transport
IATA-DGR	International Air Transport Association-Dangerous Goods Regulations
IMDG-Code	International Maritime Code for Dangerous Goods
LC	Lethal concentration
LD	Lethal dose



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PBT	Persistent, bioaccumulable, toxic
PCB	Polychlorinated biphenyls
RID	Regulation for the international transport of hazardous goods by rail
TRGS	Technical rules for hazardous substances
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative
WGK	Water hazard class:
n.a.	not applicable
k.A.	No data

c) Literature references and data sources

The raw material data given are based on the information provided by the suppliers and/or on information in the technical literature.

d) Regulations

REACH Regulation (EC) No. 1907/2006, including its last amended regulation in the version valid at the time of preparation of the safety data sheet

CLP Regulation (EC) No. 1272/2008, including its last amended regulation in the version valid at the time of preparation of the safety data sheet

e) Hazard warnings referred to in Sections 2 to 15 according to Regulation (EC) No 1272/2008

Mixture:

AspTox 1	H304	May be fatal if swallowed and enters airways.
	EUH066	Repeated exposure may cause skin dryness or cracking.

Methods referred to in Article 9 of Regulation (EC) No 1272/2008 have been used to evaluate the information for the purpose of classification:

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

f) Notes on appropriate training to ensure the protection of human health and the environment

Instruction on hazards and protective measures using the operating instructions (TGRS 555) must be given before employment and at least once a year thereafter. Content and time of the instruction must be recorded in writing and be confirmed by the signature of the instructed persons. Observe the retention period of the evidence.

Recommended restriction of use:

The product is intended for professional users