

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name(s):	Art.-no.
ABF-Wax	
ABF-Wax Wire	08052143
ABF-Wax Margin	08052148
ABF-Wax Universal	08052149
ABF-Wax Creative light	08052150
ABF-Wax Creative dark	08052151
ABF-Wax Position	08052153
ABF-Wax Special	08052154

**REACH registration number:** No registration number is given for this mixture since it is exempted from the registration due to its mean annual tonnage.

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

Modeling waxes for dental laboratories..

For professional use only – not intended for public distribution!

**1.3 Details of the supplier of the safety data sheet**

Cendres+Métaux SA, Rue de Boujean 122, CH-2501 Biel/Bienne, Switzerland  
Tel. +41 58 360 2211 Fax +41 58 360 2205 <mailto:info@cmsa.ch>

**1.4 Emergency telephone number**

**International call:** +41 44 251 5151 Tox Info Suisse (24h from abroad)

**Section 2: Hazards identification****2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) no. 1272/2008 (CLP Regulation):**  
Not applicable.

**2.2 Label elements**

Not applicable.

**2.3 Other hazards**

Criteria for the classification as PBT or vPvB are not met.

**Section 3: Composition/information on ingredients****3.1 Substances**

This product is a mixture.

**3.2 Mixtures**

**Characterisation:** Wax mixture composed of hydrocarbon waxes (75-85%), polymer waxes (10-15%) and natural waxes (5-10%).

**Composition / Classification according to Regulation (EC) no. 1272/2008**

**CAS-no.:** 64742-51-4, 68527-08-2, 8030-12-4 (no need for classification).

**Additional information**

All contents in % by weight.

Substances stated on the „Candidate List of Substances of Very High Concern (SVHC) for Authorization“ by the European Chemicals Agency (ECHA) are not deliberately ingredients of this product. It is therefore not to be supposed, that such substances will be contained in concentrations above 0.1%.

**Section 4: First aid measures****4.1 Description of first aid measures**

**General notes:** Remove contaminated clothing immediately.

**Inhalation:** Care for sufficiently fresh air.

**Eye contact:** Rinse eye immediately with open eyelid for several minutes with water, then consult a physician.

**Skin contact:** Wash carefully with water and soap..

**Ingestion:** Drink water (max. 2 glasses) and rinse mouth.

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

The product may have a laxative effect.

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

In case of any health disorder get medical advice; present label and safety data sheet for this product.

**Section 5: Firefighting measures****5.1 Extinguishing media**

**Suitable:** Water, carbon dioxide (CO<sub>2</sub>), foam, powder (no restrictions; the extinguishing media should be adapted to the environment).

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

The mixture is combustible. In case of fire dangerous fire gases or vapours may be generated. Explosive mixtures with air are possible when strongly heated.

**5.3 Advice for firefighters**

In case of fire, use respirator mask that is independent from outside air.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of vapours and dust. Clear danger zone. Proceed according to emergency plan. Consult qualified person.

**6.2 Environmental precautions**

Do not allow to enter drains, water courses or soil.

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

Pick up mechanically and dispose according to local regulations, then clean up.

**6.4 Reference to other sections**

See also sec. 7 and 8 for precautions and sec. 13 for disposal.

**Section 7: Handling and storage****7.1 Precautions for safe handling**

The product may only burn or form ignitable mixtures when heated above flash point (see sec. 9).

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

Care for sufficient ventilation. Store in a cool and dry place.

**7.3 Specific end use(s)**

See instructions for use.

**Section 8: Exposure controls/personal protection****8.1 Control parameters**

The product does not contain substances with exposure limits.

## 8.2 Exposure controls

### Appropriate engineering controls

Engineering control and application of suitable working methods have priority to personal protective equipment; care for sufficient ventilation (this can be done by either local or by general ventilation).

### Personal protective equipment

Observe the following precautions depending on the hazard situation:

**Respiratory protection:** No respiratory protection is needed if ventilation is sufficient.

Otherwise, a respiratory mask with filter of type A2, A2/P2 or ABEK is recommended.

**Eye protection:** Wear safety glasses with side protection or a closed pair of goggles (EN 166).

**Hand protection:** Not needed.

**Skin protection:** Wear conventional laboratory blouse.



### Hygiene measures

Observe hygiene measures usual in dental laboratories when working with chemicals. Avoid contact with skin and eyes.

Change contaminated clothes immediately. Wash hands carefully after or when interrupting work. Avoid inhalation of vapours.

### Environmental Exposure Controls

Do not allow to enter drains, water courses or soil. See also sec. 13 for disposal.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state:** Solid.

**Colour:** Different (see product description).

**Odour:** Weak, but typical.

#### Safety relevant data

Parameter	Value	Methode	Remark
Flash point	> 180 °C		
Fire promoting properties			not fire promoting
Explosion hazard			not explosive
Vapour pressure			not determined
Density	ca. 0.92 g/cm <sup>3</sup>		
Solubility			insoluble
pH value			not applicable
Miscibility with water			insoluble

### 9.2 Other information

No other safety relevant information known.

## Section 10: Stability and reactivity

### 10.1 Reactivity

The product will not react with other substances if properly stored and handled.

### 10.2 Chemical stability

The product is stable if properly stored and handled.

### 10.3 Possibility of hazardous reactions

Special hazards are not to be expected, if the product is properly stored and handled.

### 10.4 Conditions to avoid

Explosive mixtures with air are possible when strongly heated.

### 10.5 Incompatible materials

Keep away from oxidising acids.

### 10.6 Hazardous decomposition products

The mixture is combustible. In case of fire dangerous fire gases or vapours may be generated.

**Section 11: Toxicological information****11.1 Information on toxicological effects**

**Acute toxicity:** LD50 rat: > 2000 mg/kg (according to foreign data sheet)

According to the known data, none of the classification criteria are met for the toxicological effects below:

**Skin corrosion/irritation**

**Serious eye damage/irritation**

**Respiratory or skin sensitization**

**Germ cell mutagenicity**

**Carcinogenicity**

**Reproductive toxicity**

**STOT-single exposure**

**STOT-repeated exposure**

**Aspiration hazard**

**11.2 Further information**

The product may have a laxative effect. When handled with care, personal hazards are not to be expected. Observe hygiene measures usual in dental laboratories when working with chemicals.

**Section 12: Ecological information****12.1 Toxicity**

Water toxicity: No further data available.

**12.2 Persistence and degradability**

No further data available.

**12.3 Bioaccumulative potential**

No further data available.

**12.4 Mobility in soil**

No further data available.

**12.5 Results of PBT and vPvB assessment**

Criteria for the classification as PBT or vPvB are not met.

**12.6 Other adverse effects**

No further data available.

**Section 13: Disposal considerations****13.1 Waste treatment methods**

Dispose product residues according to the local waste regulation.

Leave chemicals in original containers.

Treat uncleaned containers like the product.

Dispose empty containers according to the local waste regulation.

**Section 14: Transport Information****14.1 UN number**

Not applicable. Dental alloys are non dangerous goods in terms of transportation (ADR, IMDG, IATA).

**14.2 UN proper shipping name**

Not applicable.

**14.3 Transport hazard class**

Not applicable.

**14.4 Packing group**

Not applicable.

**14.5 Environmental hazards**

The product is not harmful to the environment.

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

According to our knowledge, the product is not to be considered as hazardous mixture according to hazardous substance regulation. No restrictive regulations are known for this product.

**15.2 Chemical Safety Assessment**

No safety assessment was performed for this mixture.

**Section 16: Other information****Legend**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging (CLP-Regulation)
ECHA	European Chemicals Agency
EC	European Community
EN	European norm (standard)
EU	European Union
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
MARPOL	Maritime Pollution Convention
PBT	persistent, bioaccumulating and toxic substance according to Annex XIII, REACH-Regulation
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
SVHC	Substance of Very High Concern
UN	United Nations
vPvB	very persistent and very bioaccumulating substance according to Annex XIII, REACH-Regulation

**Full wording of hazard and precautionary statements** as stated in section 2 and 3: Not applicable.

This safety data sheet should be used in conjunction with technical sheets and instructions for use. It does not replace them and it is not thought as a quality guarantee of product characteristics. No contractual relationship is stipulated. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. This does not in any way excuse the user from knowing all of the regulations covering his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill obligations regarding hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring the existence of legal obligations, other than those mentioned, for which he is solely responsible.

**Responsible department for document release:** Quality Assurance

**Contact person:** Dr. Theo Gautschi, Tel. +41 58 360 2271, <mailto:theo.gautschi@cmsa.ch>

**Changes made since last edition**

Completely new edition according to GHS rules.