

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

FINOCERA Wax Sprues

REF 31160

Further trade names

PARAFFIN wax

Product group:

Kohlenwasserstoffe, gesä.

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

Pinning of cast objects in the crown and bridge technique.

Auxiliary for dental technology

1.3. Details of the supplier of the safety data sheet

Company name:	FINO GmbH	
Street:	Mangelsfeld 18	
Place:	D-97708 Bad Bocklet	
Telephone:	+49-97 08-90 94 20	Telefax: +49-97 08-90 94 21
e-mail:	info@fino.com	Internet: www.fino.com
Contact person:	Joachim Mahlmeister	Telephone: +49-97 08-90 94 20
e-mail:	info@fino.com	
Responsible Department:	This number can only be reached during our office hours, Monday to Friday from 8 a.m. to 5 p.m.	

1.4. Emergency telephone number:

+49-89-1 92 40
POISON CENTER München
24 hour(s) 7 day(s)

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

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The mixture is classified as not hazardous according to Directive 1999/45/EC.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

none

Special labelling of certain mixtures

Observe normal precautions when working with chemicals.

Additional advice on labelling

According to EC directives or the corresponding national regulations the product does not have to be labelled.
The substance is classified as not hazardous according to Directive 67/548/EEC.

2.3. Other hazards

No risks worthy of mention. The melted product can cause severe burns.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

PARAFFIN wax

Hazardous components

none (according to UK REACH Regulation)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

No special measures are necessary.

After inhalation

The present toxicological data do not show any hazardous properties.* With regard to the calculation of ATE_{mix} the mixture does not contain relevant components with unknown acute inhalative toxicity.

After contact with skin

After contact with molten product, cool skin area rapidly with cold water.
Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically.
Irritating to skin. slightly irritant. Seek medical attention if problems persist.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
In case of troubles or persistent symptoms, consult an ophthalmologist.
Wear goggles when chipping the material.

After ingestion

Rinse mouth. - No special measures are necessary.

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

This information is not available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Foam, Dry extinguishing powder, Carbon dioxide, Water mist

Unsuitable extinguishing media

Water spray jet - Never use water.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may cause generation of irritant and harmful gases, so firefighters should wear proper protective equipment. Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Fire class B (Fires of liquids or liquid turning substances)

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use appropriate respiratory protection. Provide adequate ventilation. Use personal protection equipment. Keep unprotected persons away.
Avoid contact with eyes and skin.

For non-emergency personnel

Emergency procedures

Remove victim out of the danger area. Remove persons to safety. The danger areas must be delimited and identified using relevant warning and safety signs.

For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Do not allow to enter sewers/surface or ground water.

Dilute with plenty of water.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Following consultation with waste management company and after biological pre-treatment, landfill together with household waste.

For cleaning up

For cleaning, approved industrial vacuum cleaners are recommended, dust class:

Collect in closed and suitable containers for disposal.

Other information

Allow stiffening. Take up mechanically.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with eyes and skin. No special measures are necessary.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and after work.

When using do not eat or drink.

Further information on handling

Avoid dust formation.

Wear suitable protective clothing.

If common occupational hygiene is adhered to negative effects have not been made known.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Store in a dry place.

Protect from direct sunlight.

storage temperature 5 – 30 °C

Keep only in the original container.

Hints on joint storage

No special precautionary measures.

Further information on storage conditions

Keep container tightly closed and dry.

Protect from direct sunlight.

Keep away from heat.

Betriebssicherheitsverordnung (BetrSichV) ---

7.3. Specific end use(s)

Reserved for industrial and professional use. Consumable for dental surgery and dental laboratory.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

See section 7. No additional measures necessary.

8.2. Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Protective Goggles / Not required for usual handling of the product.

Hand protection

Wear suitable gloves.

Recommended material: CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber)

Thickness of the glove material: 0,5 mm, 0,35 mm

Breakthrough time: 8h

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Skin protection

Wear suitable protective clothing. lab coat Natural fibres (e.g. cotton)

Respiratory protection

Not required for usual handling of the product. Respiratory protection not required.

Environmental exposure controls

Do not allow to enter sewers/surface or ground water. Do not allow to enter into soil/subsoil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	yellow
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	< 50 °C
Boiling point or initial boiling point and boiling range:	not determined
Softening point:	not determined
Flash point:	> 130 °C

Flammability

Solid/liquid:	Combustible substance, Not oxidising. not applicable
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Explosive properties

not explosive according to EU A.14

Lower explosion limits:	---
Upper explosion limits:	---
Auto-ignition temperature:	not determined
Self-ignition temperature	
Solid:	Product is not selfigniting.
Decomposition temperature:	not determined
pH-Value:	not applicable
Viscosity / dynamic:	not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	not determined
Density:	approx. 0,93 g/cm ³
Bulk density:	not determined
Relative vapour density:	not applicable

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:	No data available
Oxidizing properties	
Combustible substance, Not oxidising.	

Other safety characteristics

Solvent separation test:	insoluble in: Water
Solvent content:	Organic solvents: -,-% Maximum VOC content: - %
Solid content:	100 %
Evaporation rate:	not applicable

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Do not overheat (> 130 °C).

10.5. Incompatible materials

No specific if used according to specifications.

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation**

Acute toxicity

Based on available data, the classification criteria are not met.
systemic Effects No information available.

Irritation and corrosivity

Based on available data, the classification criteria are not met.
Liquid wax Danger of burns when product is hot.

Sensitising effects

Based on available data, the classification criteria are not met.
Melt: vapour slightly irritant

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

Toxicological analyses are not available.

Additional information on tests

Based on our experiences and information the product does not cause harmful health effects if handled according to specifications and used according to indications.

Practical experience

No special references.

11.2. Information on other hazards**Other information**

No special precautionary measures.

SECTION 12: Ecological information**12.1. Toxicity**

The insoluble part can be precipitated mechanically in suitable sewage treatment plants.

12.2. Persistence and degradability

Due to the consistency along with the low water solubility of the product a bioavailability is unlikely. Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

Due to the product's consistency dispersion into the environment is not possible.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No effects known. non-hazardous to water

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Disposal recommendations

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Contaminated packaging

Completely emptied packages can be recycled. Non-contaminated packaging can be supplied to a recycling system.

SECTION 14: Transport information
Land transport (ADR/RID)

14.1. UN number or ID number:	UN 0000
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 0000
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	UN 0000
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 0000
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No special precautionary measures.

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

2004/42/EC (VOC):	no classification
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)
Additional information:	0

Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

National regulatory information

Water hazard class (D): - - non-hazardous to water

Additional information

No further data.
Betriebssicherheitsverordnung (BetrSichV) ---

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information
Changes

* Data changed compared with the previous version.

Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 "IATA-DGR: Dangerous Goods Regulations by the ""International Air Transport Association"" (IATA)"
 ICAO: International Civil Aviation Organization
 "ICAO-TI: Technical Instructions by the ""International Civil Aviation Organization"" (ICAO)"
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	wax	-	20	0	0	-	-	-	64742-43-3

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)