

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

FINO WAX-EX Scalding Agent

REF 46075 / 46076

UFI: JUK3-W4K7-J00X-JXGP

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

Scalding of wax.

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****GB CLP Regulation**

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

Classification according to Regulation (EC) No 1272/2008 [CLP]

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

Sodium benzoate

Signal word: Warning**Pictograms:****Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P264	Wash Hands thoroughly after handling.
P280	Wear eye protection/face protection.
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.

Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.

Classification according to Regulation (EC) No 1272/2008 [CLP]

2.3. Other hazards

Results of PBT and vPvB assessment not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture from the listed substances with harmless additives.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
532-32-1	Sodium benzoate			2,5-10%
	208-534-8		01-2119460683-35	
	Eye Irrit. 2; H319			
68154-97-2	Alcohols, C10-12, ethoxylated propoxylated			<2,5%
	Acute Tox. 4, Eye Dam. 1; H302 H318			
174955-61-4	Ethoxylated propoxylated terpene			<2,5%
	605-745-0			
	Acute Tox. 4, Eye Irrit. 2; H302 H319			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
532-32-1	208-534-8	Sodium benzoate	2,5-10% %
	oral: LD50 = 4070 mg/kg		
68154-97-2		Alcohols, C10-12, ethoxylated propoxylated	<2,5% %
	oral: LD50 = 950 mg/kg		
174955-61-4	605-745-0	Ethoxylated propoxylated terpene	<2,5% %
	oral: ATE = 500 mg/kg		

Further Information

This substance/mixture does not contain any components in concentrations of 0,1 %, or higher than either persistent, bioaccumulative and toxic (PBT) or very persistent and are classified as highly bioaccumulative (vPvB).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

After inhalation

Provide fresh air.

Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

Call a physician immediately.

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

If skin irritation or rash occurs: Get medical help.

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**

Water Extinguishing powder Sand Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Not known.

5.3. Advice for firefighters

irritating organic vapors.

Additional information

This substance/mixture does not contain any components in concentrations of 0,1 %, or higher than either persistent, bioaccumulative and toxic (PBT) or very persistent and are classified as highly bioaccumulative (vPvB).

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

Avoid contact with the eyes and skin.

For non-emergency personnel

Emergency procedures

Remove persons to safety. Remove victim out of the danger area.

The danger areas must be delimited and identified using relevant warning and safety signs.

For emergency responders

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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).

For cleaning up

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 the eyes and skin.

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

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs.

Wash hands before breaks and after work.

When using do not eat or drink.

Further information on handling

No special handling advices are necessary.

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

Keep container tightly closed.

Protect from heat and direct sunlight.

Hints on joint storage

No specific information.

Further information on storage conditions

Store under normal and dry conditions.

Betriebssicherheitsverordnung (BetrSichV) ---

7.3. Specific end use(s)

Auxiliary for dental technology

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
532-32-1	Sodium benzoate			
Worker DNEL, long-term		inhalation	local	0,1 mg/m ³
Worker DNEL, long-term		dermal	systemic	62,5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	3 mg/m ³

PNEC values

CAS No	Substance	
Environmental compartment		Value
532-32-1	Sodium benzoate	
Freshwater		0,13 mg/l
Marine water		0,013 mg/l
Freshwater sediment		1,76 mg/kg
Marine sediment		0,176 mg/kg
Soil		0,06 mg/kg

Additional advice on limit values

The lists valid during the making were used as basis.

8.2. Exposure controls


Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment
Eye/face protection

Eye protection: not required.

Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. 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.

The precise time of rupture can be found out from the manufacturer of the protective gloves and must be observed.

Recommended material: Butyl caoutchouc (butyl rubber) EN ISO 374

Skin protection

lab coat

Respiratory protection

Respiratory protection not required.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state:	liquid:
Colour:	light blue
Odour:	characteristic

Test method
Changes in the physical state

Boiling point or initial boiling point and 100 °C

boiling range:

Softening point: not applicable

Flash point: 101 °C

Flammability

Solid/liquid: not applicable

Explosive properties

void

Auto-ignition temperature: > 560 °C

Self-ignition temperature

Solid: Product is not selfigniting.

pH-Value (at 20 °C): 7

Viscosity / dynamic: Liquid

Water solubility: practically insoluble

Vapour pressure: 23 hPa
(at 20 °C)

Density:

1,04 g/cm³ DIN 53479

Relative vapour density:

not applicable

9.2. Other information
Other safety characteristics

Evaporation rate:

not determined

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 known hazardous reactions.

10.4. Conditions to avoid

Avoid inhaling of fumes.

10.5. Incompatible materials

No specific if used according to specifications.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

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.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
532-32-1	Sodium benzoate				
	oral	LD50 4070 mg/kg	Rat		
68154-97-2	Alcohols, C10-12, ethoxylated propoxylated				
	oral	LD50 950 mg/kg	Rat	OECD 401	
174955-61-4	Ethoxylated propoxylated terpene				
	oral	ATE 500 mg/kg			

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

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.

Practical experience

No special references.

11.2. Information on other hazards
Other information

No special precautionary measures.

SECTION 12: Ecological information
12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
532-32-1	Sodium benzoate					
	Acute fish toxicity	LC50 484 mg/l	96 h	Pimephales promelas (fathead minnow)		
68154-97-2	Alcohols, C10-12, ethoxylated propoxylated					
	Acute crustacea toxicity	EC50 12 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202	

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
532-32-1	Sodium benzoate			
		85%	28	
	Readily biodegradable (according to OECD criteria).			
68154-97-2	Alcohols, C10-12, ethoxylated propoxylated			
		93%	28	
174955-61-4	Ethoxylated propoxylated terpene			
		60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
532-32-1	Sodium benzoate	1,88

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

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

Harmful effects for aquatic organisms are not to expect.

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Disposal recommendations

Remove according to the regulations.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging

Non-contaminated packages may be recycled.

Dispose of waste according to applicable legislation.

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.**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.**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.**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.**14.5. 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**

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

No further data.

National regulatory information

Water hazard class (D):

2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2.

* Data changed compared with the previous version.

Abbreviations and acronymsRID: 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)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.

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	Auxiliary for dental technology	PW	20	0	0	4	0	94	100

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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