

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

FINOPUR Tabs Flocculator

REF 10380/ 10380P

**Further trade names**

SODIUM CARBONATE

Product group: Natriumverbindungen  
CAS No: 497-19-8  
Index No: 011-005-00-2  
EC No: 207-838-8

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

Sedimentation aid with odour-reducer for plaster traps as tablets.

**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  
e-mail: info@fino.com  
Contact person: Joachim Mahlmeister  
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.

Telefax: +49-97 08-90 94 21

Internet: www.fino.com

Telephone: +49-97 08-90 94 20

**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**

Hazard categories:  
Serious eye damage/eye irritation: Eye Irrit. 2  
Hazard Statements:  
Causes serious eye irritation.

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

sodium carbonate

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

H319 Causes serious eye irritation.

**Precautionary statements**

P264 Wash Hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

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protection.

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.

### 2.3. Other hazards

not determined

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Modified anionic polyacrylamide, Sodiumcarbonate, Binding agent.

Sum formula:

Na<sub>2</sub>CO<sub>3</sub>

Molecular weight:

105,99

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
497-19-8	sodium carbonate			< 20 %
	207-838-8	011-005-00-2		
	Eye Irrit. 2; 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	
497-19-8	207-838-8	sodium carbonate	< 20 %
	oral: LD50 = 4090 mg/kg		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No specific information.

#### After inhalation

none

#### After contact with skin

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

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

Get medical advice/attention if you feel unwell.

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

Extended cutaneous contact might lead to irritations.

### 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**

Co-ordinate fire-fighting measures to the fire surroundings. Powder, Foam, Water

**Unsuitable extinguishing media**

none

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

No specific information.

**5.3. Advice for firefighters**

Not known.

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

As a preventive measure disposable gloves should be worn during handling.

**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.

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

**6.2. Environmental precautions**

No special environmental measures are necessary.

**6.3. Methods and material for containment and cleaning up****Other information**

Take up mechanically.

**6.4. Reference to other sections**

See protective measures under point 7 and 8.

Treat the recovered material as prescribed in the section on waste disposal.

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

Provide fresh air.

Make available sufficient washing facilities.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

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

Keep away from food, drink and animal feedingstuffs.

Wash hands before breaks and after work.

Avoid contact with eyes and skin.

**Further information on handling**

As a preventive measure disposable gloves should be worn during handling.

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

\*[Store in a dry and frost-free place. Keep container tightly closed.

**Hints on joint storage**

Strong acid

**Further information on storage conditions**

No special precautionary measures.

Betriebssicherheitsverordnung (BetrSichV) ---

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Additional advice on limit values**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**8.2. Exposure controls**

**Appropriate engineering controls**

Make available sufficient washing facilities Provide fresh air.

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

Eye protection: not required.

**Hand protection**

As a preventive measure disposable gloves should be worn during handling.

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

**Skin protection**

Body protection: not required.

**Respiratory protection**

Respiratory protection not required.

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

Physical state:	solid, Tablets
Colour:	whitegrey
Odour:	odourless

**Changes in the physical state**

Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	not applicable
Softening point:	not determined
Flash point:	not applicable

**Flammability**

Solid/liquid:	not applicable
Gas:	not applicable

**Explosive properties**

not explosive according to EU A.14

Lower explosion limits:	---
Upper explosion limits:	---

Auto-ignition temperature: not applicable

**Self-ignition temperature**

Solid: Product is not selfigniting.

Decomposition temperature: not determined

pH-Value: 9,2

Viscosity / dynamic: ---

Water solubility: easily soluble

**Solubility in other solvents**

none

Partition coefficient n-octanol/water: not applicable

Vapour pressure: not determined

Density: 1,6 +/- 0,02 g/cm<sup>3</sup>

Relative vapour density: not applicable

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

Sustaining combustion: No data available

**Other safety characteristics**

Solvent content: not determined

Solid content: 18,00 %

Evaporation rate: not applicable

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

Contact with acids liberates toxic gas. Sulphur dioxide (SO<sub>2</sub>)

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Contact with acids liberates toxic gas. Sulphur dioxide (SO<sub>2</sub>)

**10.4. Conditions to avoid**

Frost, Strong acid

**10.5. Incompatible materials**

Strong acid

**10.6. Hazardous decomposition products**

No information available.

**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
497-19-8	sodium carbonate				
	oral	LD50 mg/kg	4090	IUCLID	

**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.

**Specific effects in experiment on an animal**

Toxicological analyses are not available.

**Additional information on tests**

If handled according to specifications and if common valid hygienic rules are observed health endangering effects have not been reported.

**Practical experience**

No special references.

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

No special precautionary measures.

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

On the basis of existing data on ecotoxicology the following can be deduced:

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50	300 mg/l	96 h	Lepomis macrochirus	
	Acute crustacea toxicity	EC50	265 mg/l	48 h	Daphnia magna	IUCLID

**12.2. Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil**

mobile in a watery environment.

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

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

The components in this formulation do 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 data available.

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains.  
Dispose of waste according to applicable legislation.

#### Contaminated packaging

Non-contaminated packaging can be supplied to a recycling system.

## SECTION 14: Transport information

### Land transport (ADR/RID)

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

### Inland waterways transport (ADN)

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

### Marine transport (IMDG)

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

### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	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 75

2004/42/EC (VOC): no classification

#### Additional information

The product is classified and labelled according to EC directives or corresponding national laws.  
Classification according to Regulation (EC) No 1272/2008 [CLP]

#### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### Additional information

Betriebssicherheitsverordnung (BetrSichV) ---  
No further data.

### 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)  
 PBT: Persistent, Bioaccumulative and Toxic  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

### Relevant H and EUH statements (number and full text)

H319 Causes serious eye irritation.

### Further Information

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. according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 453/2010)

### 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.)*