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## Section 1 Identification of the substance/mixture and the company

1.1	Product identifier	<b>Calcio-H No. 1</b>
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Use of substance	Reagent for water analysis
1.3	Supplier	WAPOTEC GmbH Franz-Sauer-Strasse 44 A-5020 Salzburg Tel: +43 662 434342-0 Fax: +43 662 434342-3
	Contact	Mr. G. Weiss Email: <a href="mailto:office@wapotec.at">office@wapotec.at</a>
1.4	Emergency phone	+43 662 43 43 42-0 Office hours: MO - TH: 8.00 - 16.00 FR: 8.00 - 12.00 <b>Toxicity information centre Vienna:</b> Phone: +43 1 406 43 43 Available 0-24h



## Section 2 Hazards identification

2.1	Hazard classification of substance or mixture
	 According to Directive (EC) N° 1272/2008 Not applicable. The product is not classified as dangerous.
	 according to Directive (EC) N° 1999/45 Not applicable. The product is not classified as dangerous.
2.2	Label elements
	 According to Directive (EC) 1272/2008 Not applicable. The product is not classified as dangerous according to Directive (EC) 1272/2008
	 According to Directive (EC) N° 1999/45 Not applicable. The product is not classified as dangerous according to Directive (EC) N° 1999/45
	 Danger defining components for labeling Not applicable.

2.3 Other hazards  
Not applicable.

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**Section 3 Composition/information on ingredients**

3.2 Mixtures

- Chemical characteristics

Preparation of organic compounds

- Dangerous ingredients

None.

REACH – Pre-registered substances All components are REACH pre-registered.

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**Section 4 First-aid measures**

4.1 Description of first-aid measures

Remove immediately all contaminated clothing.

- After inhalation

Move affected person immediately to fresh air.

- After skin contact

After skin contact, wash immediately with plenty of water

- After eye contact

After eye contact, rinse eye for several minutes (at least 15 minutes) with running water holding eye lids apart.

- After ingestion

Rinse mouth with cold water and drink 1-2 glasses of water.  
Consult physician if disturbances occur.

4.2 Most important symptoms and effects, acute and delayed

Irritation

after inhalation: Cough, mucous membrane irritation, shortness of breath  
after ingestion: Sickness, vomiting, thirst, cyanosis, cramps

4.3 Indications for immediate medical attention or special treatment needed

No further information available.

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**Section 5 Fire-fighting measures**

5.1. Extinguishing media

Suitable extinguishing media

CO<sub>2</sub>, water jets, extinguishing powder. For bigger fire use water jets.

- Unsuitable extinguishing media for safety reasons

No further information available.

5.2 Special hazards arising from the substance or mixture

Combustible

Formation of toxic gases is possible during heating or in case of fire.

Sulphur dioxide (SO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus and full protective clothing

Additional information:

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Ambient fire may liberate hazardous vapors.



## Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and suitable emergency procedures.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow product to reach sewage system or water bodies.

6.3 Measures for cleaning/collecting:

Dispose of contaminated material as waste according to section 13.

Collect mechanically.

Ensure adequate ventilation.

6.4 Additional information

Information on safe handling see section 7.

Information on protective measures see section 8

Information on disposal see section 13



## Section 7 Handling and storage

7.1 Precautions for safe handling

Provide suction extractors if dust is formed.

7.2 Conditions for safe storage including any incompatibilities

Fire and explosion protection measures

Keep away from sources of ignition - no smoking.

Design of storage rooms and container

Protect from heat and direct sunlight.

Store under dry and cool conditions.

Protect from humidity and keep away from water.  
Protect from the effects of light.

☉ Recommended storage temperature: 20°C +/-5°C

☉ Material incompatibility

No further information available.

☉ VbF class: 11

7.3 Specific end uses

No further information available.



## Section 8

### Exposure controls and personal protection

8.1 Control parameters

The product does not contain relevant quantities of substances with monitored limits based on the workplace.

8.2 Exposure controls

☉ General protective and hygiene measures

Follow usual precautions when dealing with chemicals. Keep away from food and drinks. Do not eat or drink at work, wash hands before breaks and end of work. Avoid eye and skin contact. Avoid inhaling of steams/aerosols. Change contaminated work wear and clean it before the next wearing. Preventive skin protection.

Protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

☉ Respiratory protection

In case of release of dust/aerosol only work with a protection mask.  
Recommended filter device for short term use: Filter P1

☉ Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.  
After use of gloves apply skin-cleaning agents and skin cosmetics.

Glove material:

Nitrile rubber

Recommended thickness of the material:  $\geq 0.11$  mm

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level  $\geq 1$  (<10 min)

☉ Eye protection:

Use against the effects of fumes / dust  
Tightly sealed goggles

☉ Personal protection

Protective working clothing

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**Section 9 Physical and chemical properties**


9.1	Information on basic physical and chemical properties	
	Appearance	Solid
	Color	Pink
	Odor	Odorless
	Odor threshold	No data available
	pH-value 8.7 g/l (20°C)	4.3
	Melting point	Not determined
	Boiling point / Boiling range	Not applicable
	Flash point	Not applicable
	Evaporation rate	Not applicable
	Flammability	No data available
	Upper explosion limit	No data available
	Lower explosion limit	No data available
	Vapor pressure	Not available
	Density	Not determined
	Solubility in water (20°C)	Soluble
	Partition coefficient: n-octanol-water	No data available
	Auto ignition temperature	No data available
	Decomposition temperature	No data available
	Viscosity	No data available
	Explosive properties	Powdery or granulated texture: Explosive during air contact Dust explosions possible
	Oxidizing properties	No data available
9.2.	Other information:	
	Solid content:	100,0%
	Solvent content:	
	Organic solvents:	0,0%
	No further information available.	

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**Section 10 Stability and reactivity**

- 10.1 Reactivity  
There are expected no hazardous reactions for intended use
- 10.2 Chemical stability  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions  
No risk of dust explosion in the form supplied, however enrichment with fine dust causes risk of dust explosion
- 10.4 Conditions to avoid  
Avoid extreme temperatures.
- 10.5 Incompatible materials  
Oxidants
- 10.6 Hazardous decomposition products  
Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>), see section 5

**Section 11 Toxicological information**


- 11.1 Information on toxicological effects  
LD/LC50 values that are relevant for classification (literature)  
Acute toxicity  
Quantitative data on the toxicity of the preparation are not available.  
Primary irritant effect:  
Skin: No irritation  
Eye: Possible Irritation  
Sensitization  
No sensitizing effect known.  
Carcinogenicity  
No data available.  
 Mutagenicity  
No data available.  
Reproductive toxicity  
No data available.  
Additional information:  
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparation as issued in the latest version.  
When used and handled according to specifications, the product does not have

any harmful effects according to our experience and the information provided by us.

The usual precautionary measures should be adhered to general rules for handling chemicals.





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## Section 12 Ecological information

- 12.1 Toxicity
-  Aquatic toxicity
- No further information available.
- 12.2 Persistence and degradability
- No further information available.
- 12.3 Bioaccumulation potential
- No further information available.
- 12.4 Mobility in soil
- No further information available.
- 12.5 Results of PBT- and vPvB-assessment
- No data available for the product itself.
- 12.6 Other adverse effects
- Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.  
 Must not reach sewage water or drainage ditch undiluted or unneutralized.  
 Quantitative data on the ecological effect of this product are not available.

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## Section 13 Disposal considerations

- 13.1  Waste treatment methods
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
 Hand over to disposers of hazardous waste. Chemicals must be disposed of in compliance with national and regional regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.
-  Waste key number
- 16 05 09
-  Waste name
- Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08.
-  European waste catalogue
- EWC-waste key is source-related.  
 The decision is up to the enduser.

 Contaminated packaging material

Chemicals must be disposed of in compliance with national and regional regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Recommended cleaning agent: Water, if necessary with cleaning agent.





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**Section 14** **Transport information**

- No dangerous good according to regulation for transport of dangerous goods.
- 14.1 UN-Number  
Not applicable.
- 14.2 Proper UN-shipping name  
Not applicable.
- 14.3 Transport hazard class  
Not applicable.
- 14.4 Packaging group  
Not applicable.
- 14.5 Environmental hazards  
Not applicable.
- 14.6 Special precautions for the user  
Not applicable.

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**Section 15** **Regulatory information**

- 15.1 Safety-, health-, ambient- and legislation specific instructions for substance or mixture
- This safety data sheet complies with the Regulations (EC) Reach N° 1907/2006. The mixture is classified according to Dangerous Preparations Directive (EC) 1999/45 and to regulation (EC)1272/2008 Annex I.
- National regulations:**
- Austria:
-  Labeling according to BGBl II 2000/81 ChemV 1999.  
The product is not classified and does not require hazards identification.
  -  ChemG 1996-amendment 2011.  
This product is not classified hazardous (no hazardous preparation) according to the Austrian chemical legislation of 1996- amendment 2011.
  -  VbF - Directive about combustible liquids (BGBl 1991/240)  
This product is not classified as combustible liquid acc. VbF.
- Germany:
-  Classification in water hazard classes according VwVwS dated 17.05.1999/



annex 4  
WP 1 (low water hazardous)

15.2 Chemical safety assessment  
A chemical safety assessment has not been carried out.

## Section 16 Other information

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as a guidance for safe handling. Since unknown risk potentials can never be completely ruled out, the product should be handled with the usual care when dealing with chemicals and only for the uses listed in Section 1.

The categorisation according to Dangerous Preparations Directive 1999/45/EC resp. regulation CLP (EC)1272/2008 is based on the classification of the single component according to Annex VI of regulation CLP (EC)1272/2008 as well as on manufacturer's data completed by hazardous material database.

Relevant R-phrases

Not applicable

Relevant H-phrases

Not applicable

Relevant hazard classification

Not applicable

Edition

Number 2.1 replaces former versions  
Amendments: 1.4, 8.2, 9.1.11.1 15.1

Written by

WAPOTEC GmbH

Short cut

n. t. not tested  
n. a. not applicable  
PBT persistent, bio-accumulative, toxic  
vPvB high persistent, high bio-accumulative