

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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SIHADEX

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

SIHADEX

Additional information:

The substance does not require registration according to REACH.

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

Use of the substance/mixture:

Product for Deacidification for Wine

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Eaton Technologies GmbH

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

Telephone: +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

Telefax: +49 6704 204-121

E-mail: SDB@Eaton.com

Website: www.eaton.com/filtration

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Additional information:

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

2.2. Label elements

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

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

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1. Substances

Description:

Calcium carbonate, precipitated

(CAS Nr. 471-34-1; EINECS Nr. 207-439-9).

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

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In case of skin contact:

Subsequently wash off with: Water

After eye contact:

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

Following ingestion:

Rinse mouth immediately and drink plenty of water. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂), Calciumoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Provide adequate ventilation. Avoid dust formation. Do not breathe dust.

Avoid contact with eyes.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Avoid dust formation. Store in a dry place.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Take up carefully when dry. Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid dust formation.

Observe the usual precautionary measures for handling chemicals.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed. Keep container dry. Keep only in the original container in a cool, well-ventilated place.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2. Personal protection equipment

Eye/face protection:

Tightly sealed safety glasses.

Skin protection:

Protect skin by using skin protective cream.

Hand protection: 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. The specifications are based on own tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be shorter than the permeation time determined in accordance with EN 374. Manufacturer's directions for use should be observed because of great diversity of types.

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,11 mm

Breakthrough time:: > 480 min

Respiratory protection:

Respiratory protection necessary at: insufficient ventilation, exceeding exposure limit values

Suitable respiratory protection apparatus: Filtering device (DIN EN 147) P 2

Other protection measures:

Protective clothing: Wear suitable protective clothing.

General health and safety measures: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

A: respirable fraction of dust : 3 mg/m³

E: inhalable dust : 10 mg/m³

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: crystalline

Colour: white

Odour: odourless

Safety relevant basis data

parameter		at °C	Method	Remark
pH	9.5 - 10.5	20 °C		Gehalt an gelöster Substanz: 10%
Melting point	900 °C			
Freezing point	<i>not determined</i>			

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parameter		at °C	Method	Remark
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	2.7 - 2.9 g/cm ³	20 °C		
Relative density	<i>not determined</i>			
Bulk density	200 - 600 kg/m ³			
Water solubility	16 mg/l	20 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

Explosionsgefahr: not explosive.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data 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 data available

10.4. Conditions to avoid

No special measures are required.

10.5. Incompatible materials

Reacts with acids releasing CO₂.

10.6. Hazardous decomposition products

Calciumoxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance name	Toxicological information
calcium carbonate CAS No.: 471-34-1 EC No.: 207-439-9	LD₅₀ oral: 6,450 mg/kg (Ratte)

Acute oral toxicity:

Non-hazardous, is approved as food additive (E 170).

Acute dermal toxicity:

Non-hazardous, is approved as food additive (E 170).

Acute inhalation toxicity:

Non-hazardous, is approved as food additive (E 170).

Skin corrosion/irritation:

non-irritant.

Serious eye damage/irritation:

non-irritant.

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Respiratory or skin sensitisation:

not sensitising.

Germ cell mutagenicity:

No information available.

Carcinogenicity:

Ames test negative.

Reproductive toxicity:

No information available.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard:

No information available.

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

Acute toxicity: non-dangerous for aquatic organisms but impact on water hardness. Toxicity threshold above hydrosolubility.

Additional ecotoxicological information:

Product is not significantly hazardous for the aquatic environment. Product fate is highly depending on environmental conditions: pH, temperature, oxidoreductive potential, mineral and organic content of the medium,...

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
calcium carbonate CAS No.: 471-34-1 EC No.: 207-439-9	not determined	Bioaccumulative potential: Abiotic degradation: water/ soil, hydrolysis: Result: acid/base equilibrium as a function of pH. Degradation´s products: carbonic acid/carbon dioxide (pH < 6)/bicarbonate (pH 6 -10) / carbonate (pH > 10). Water/soil: result: complexation/precipitation of inorganic and organic materials. Biotic degradation: Result: not applicable (inorganic compound).

Additional information:

Further ecological information: According to the present state of knowledge negative ecological effects are not expected.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

Potential for bioaccumulation: not applicable (ionizable inorganic compound).

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
calcium carbonate CAS No.: 471-34-1	—

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Substance name	Results of PBT and vPvB assessment
EC No.: 207-439-9	

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Waste treatment options

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN number or ID number
not relevant
14.2. UN proper shipping name
not relevant
14.3. Transport hazard class(es)
not relevant
14.4. Packing group
not relevant
14.5. Environmental hazards
not relevant
14.6. Special precautions for user
not relevant

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

nwg - nicht wassergefährdend

Source:

-

Other regulations, restrictions and prohibition regulations

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15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

16.6. Training advice

No data available

16.7. Additional 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.