

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.11.2024

Version number 201.03 (replaces version 201.02)

Revision: 08.11.2024

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

1.1 Product identifier

Trade name Calciumchlorid 77/80%**Article number:** 1000337341002**CAS Number:**

10035-04-8

EC number:

233-140-8

Index number:

017-013-00-2

REACH-Registration number 01-2119494219-28

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

Industrial / commercial application

For details on the identifiable uses according to EC-regulation No. 1907/2006 see annex of this safety data sheet.

Application of the substance / the mixture Basic chemical (without special defined application)

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld

Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve

Tel.: +49 2375 917 310, fluids@stockmeier.com

BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim

Tel.: +49 621 15 01 0, verkauf@bassermann.de

STOCKMEIER CHEMIA Sp. z o. o. i S.S.K., ul. Obornicka 277, PL - 60-691 Poznań

Tel.: +48 61 666 10 66, zamowienia@stockmeier.pl

STOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)

Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.es

STOCKMEIER NETHERLANDS B.V., Ridderpoort 5, NL - 2984 BG Ridderkerk

Tel.: +31 180 41 5988, info@stockmeier.nl

STOCKMEIER Chemie Austria, Ricoweg 32b, AT - 2351 Wiener Neudorf

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Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.com

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www.stockmeier.com

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Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash 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 information:

According to the current state of knowledge, no synthetic polymer microparticles > 0.01% are contained.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties** Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances Calciumchlorid-2-hydrat**CAS No. Designation:**

10035-04-8 Calcium chloride dihydrate

Identification no(s):**EC number:** 233-140-8**Index number:** 017-013-00-2

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SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

* SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: If unconscious, position and transport in stable lateral position.

After inhalation

Supply fresh air; consult doctor in case of symptoms.

After inhalation of product dust, supply fresh air and consult a doctor.

After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing Rinse out mouth and then drink plenty of water.

Information for doctor

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents**

Product is non-flammable. Use fire fighting measure that suit the surroundings.

Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire:

Hydrogen chloride (HCl)

chloric gas

Calciumoxid

5.3 Advice for firefighters**Protective equipment:**

See section 8.

Wear self-contained breathing apparatus.

Wear full protective suit with self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid causing dust.

Ensure adequate ventilation

Put on protective equipment and keep unprotected persons away.

Do not inhale dust.

6.2 Environmental precautions:

Damp down dust with water spray jet.

Do not allow to enter drainage system, surface or ground water.

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In case of release of larger quantities, inform competent authorities.

6.3 Methods and material for containment and cleaning up:

Take up mechanically and rinse off residues with water. Avoid formation of dust. Take up in suitable containers and send for recovery or disposal according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/extraction at the workplace.

Avoid repeated or long term skin contact.

Any deposit of dust which cannot be avoided must be removed regularly.

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Prevent formation of dust.

When dissolving, always put water in front and stir in the product.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

With powdery organic substances, the danger of dust explosions must generally be expected.

7.2 Conditions for safe storage, including any incompatibilities

Storage Store in cool, dry conditions in well sealed containers.

Requirements to be met by storerooms and containers:

Observe laws and regulations on the storage and use of substances hazardous to water.

Keep container tightly closed and dry.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Protect from humidity and keep away from water.

This product is hygroscopic.

Store under dry conditions.

Keep container tightly sealed.

Storage class 13 (TRGS 510)

7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

8.1 Control parameters**Components with critical values that require monitoring at the workplace:**

AGW: General dust limit value: 10 mg/m³ (E - inhalable fraction), 1.25 mg/m³ (A - respirable fraction).

PNECs No PNEC value was determined.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls Extraction required in case of dust formation.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

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Avoid contact with the eyes and skin.

Do not inhale dust. Prevent formation of dust.

Gases, fumes and aerosols should not be inhaled.

Breathing equipment: Use breathing protection in case of insufficient ventilation.**Recommended filter device for short term use:** Filter P3**Hand protection**

Protective gloves (EN 374).

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

Material of gloves

Butyl rubber, BR

Natural rubber (latex)

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.

Penetration time of glove material

Change gloves if notice sign of disenchantment.

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

Not suitable are gloves made of the following materials: Leather gloves**Eye/face protection** Tightly sealed safety glasses.**Body protection:**

Standard protective work clothing. Chemical-resistant safety shoes or boots. If skin contact may occur, wear protective clothing impermeable to this substance.

Standard protective work clothing.

* SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Physical state**

Solid.

Colour:

Colourless

Smell:

Odourless

Odour threshold:

Not determined

Melting point/freezing point:

176 °C

Boiling point or initial boiling point and boiling range

1900 °C

Flammability

Product is not inflammable.

Lower and upper explosion limit**Lower:**

Not determined

Upper:

Not determined

Flash point:

Product is non-flammable nor potentially explosive

Decomposition temperature:

Not determined

pH

Not applicable.

pH-value:**Viscosity:****Kinematic viscosity**

Not applicable

dynamic:

Not applicable

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Solubility

Water at 20 °C:	830 g/l
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not applicable
Density and/or relative density	
Density at 20 °C	1,85 g/cm ³
Relative density	Not determined
Settled apparent density	1000 kg/m ³
Vapour density	Not applicable
Particle characteristics	See section 3.

9.2 Other information**Appearance:****Form:** Crystalline powder**Important information on protection of health and environment, and on safety.****Self-inflammability:** Not determined**Explosive properties:** Product is not potentially explosive**Molecular weight** 147,02 g/mol**Evaporation rate** Not applicable**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void
molecular weight (weight average/Mw):	147,02 g/mol

SECTION 10: Stability and reactivity**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** Loss of constitutional water on heating**10.3 Possibility of hazardous reactions** No dangerous reactions known**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:**

Alkalis (lyes)

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Reactions with strong oxidising agents.
Carbonatlösungen.

10.6 Hazardous decomposition products: In case of fire: see section 5

* SECTION 11: Toxicological information

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

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

Primary irritant effect:

Skin corrosion/irritation

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

Slight irritant, but not sufficient to trigger an EC label.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

Reproductive toxicity 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.

Additional toxicological information: irritant

11.2 Information on other hazards

Endocrine disrupting properties Substance is not listed.

* SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability Inorganic product: not biodegradable.

12.3 Bioaccumulative potential No bioaccumulation

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes: Water hazard class 1 (Assessment by list): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

Recommendation

After prior treatment product has to be landfilled under adherence to the regulations pertaining to the disposal of particularly hazardous waste.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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Waste disposal key number:

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

Uncleaned packagings: Disposal in accordance with official regulations.**Recommendation:**

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

Development: After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

SECTION 14: Transport information

14.1 UN number or ID number ADR/RID, IMDG, IATA	Void
14.2 UN proper shipping name ADR/RID, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR/RID, IMDG, IATA Class	Void
14.4 Packing group ADR/RID, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	Not applicable. No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

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Precautionary statements

- P264 Wash 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.

Directive 2012/18/EU**Named dangerous substances - ANNEX I** Substance is not listed.**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Substance is not listed.**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

REGULATION (EU) 2019/1148**Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

National regulations**Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

Other regulations, limitations and prohibitive regulations**Substances of very high concern (SVHC) according to REACH, Article 57** Substance is not listed.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Department issuing data specification sheet: See section 1.3: Responding area**Date of previous version:** 12.01.2024**Version number of previous version:** 201.02**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)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international 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

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

PNEC: Predicted No-Effect Concentration (REACH)

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

*** Data compared to the previous version altered.**