Printing date 22.08.2012

Safety data sheet

according to Regulation (EC) No. 1907/2006 Version number 1



Revision: 22.08.2012

1 Identification of the substance/mixture and of the company/undertaking Product identifier · Trade name: Calcium acetate monohydrate ≥99%, p.a., ACS · Article number: P011 · CAS Number: 5743-26-0 · EC number: 200-540-9 · Registration number A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the preparation Laboratory chemical · Details of the supplier of the safety data sheet · Manufacturer/Supplier: Carl Roth GmbH + Co. KG Schoemperlenstraße 3-5 76185 Karlsruhe Germany Telefon: +49/(0)721 5606-0 Telefax: +49/(0)721 5606-149 E-Mail: sicherheit@carlroth.de • Further information obtainable from: Department Health, Safety and Environment · Emergency telephone number: Poison Centre Munich Telefon +49/(0)89 19240 2 Hazards identification Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Void Classification according to Directive 67/548/EEC or Directive 1999/45/EC No hazardous product as specified in Directive 67/548/EEC or Directive 1999/45/EC. Void · Information concerning particular hazards for human and environment: No hazardous product as specified in Directive 67/548/EEC. **Classification system:** This product is not hazardous according to EEC directives 67/548/EEC / 1999/45/EC or regulation (EC) No 1272/2008. · Label elements Labelling according to Regulation (EC) No 1272/2008 Void · Hazard pictograms Void · Signal word Void · Hazard statements Void Other hazards All chemicals are potentially dangerous. They should only be handled by specially trained personnel. Results of PBT and vPvB assessment · PBT: Not applicable. vPvB: Not applicable. (Contd. on page 2)

according to Regulation (EC) No. 1907/2006

Printing date 22.08.2012

Version number 1



Revision: 22.08.2012

Trade name: Calcium acetate monohydrate ≥99%, p.a., ACS

(Contd. of page 1)

3 Composition/information on ingredients

· Chemical characterization: Substances

· CAS No. Description

5743-26-0 Calciumacetat-Monohydrat

- Identification number(s)
- EC number: 200-540-9

4 First aid measures



- · Description of first aid measures
- General information:

General advice: No induce of vomiting by layman.

- Remove any clothing soiled by the product.
- After inhalation: Supply fresh air; if there is any trouble seek medical help.
- · After skin contact:
- Rinse with water
- If there is any trouble seek medical help.
- · After eye contact:
- To be sure rinse opened eye under running water. If there is any trouble seek medical help.
- · After swallowing:

Rinse out mouth and drink a glass of water. Do not induce vomiting.

- If there is any trouble seek medical help.
- · Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

- · Extinguishing media
- Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

- CO2, powder or water spray. Fight larger fires with water spray.
- Special hazards arising from the substance or mixture

In the event of fire development of hazardous combustion gases or vapours possible. Vapour of acetic acid.

- Advice for firefighters
- · Protective equipment:

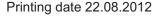
Wear self-contained respiratory protective device. Wear fully protective suit.

6 Accidental release measures

 Personal precautions, protective equipment and emergency procedures Do not breathe dust.
 Ensure adequate ventilation Avoid formation of dust.

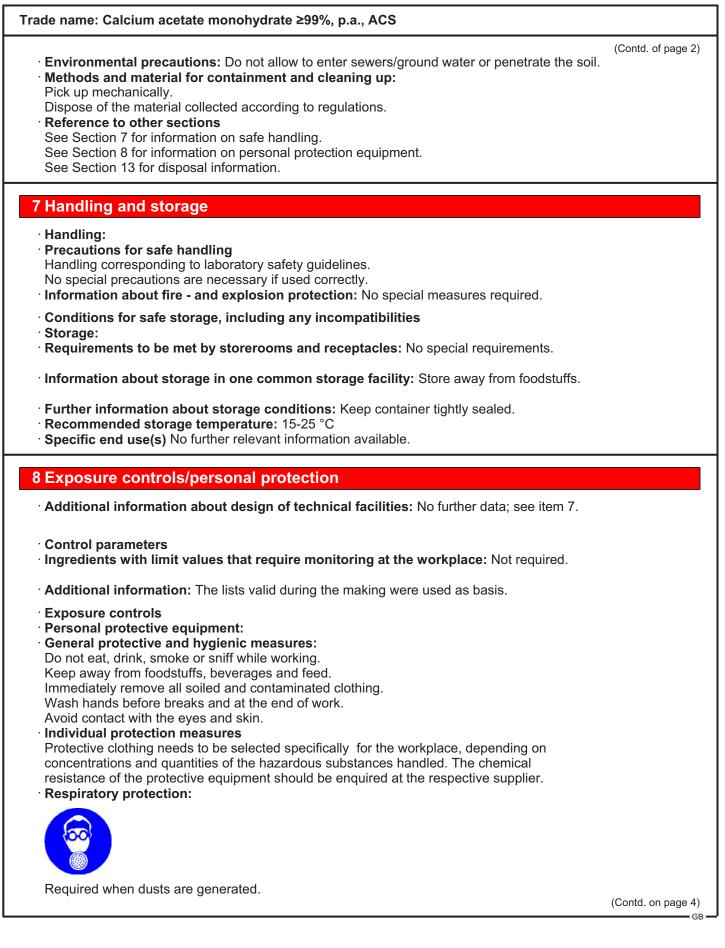
GB

according to Regulation (EC) No. 1907/2006



Version number 1

Revision: 22.08.2012

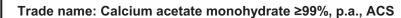


according to Regulation (EC) No. 1907/2006

Printing date 22.08.2012

Version number 1

(Contd. of page 3)



· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves
- Nitrile, thickness >0,3 mm.

Recommendation only for the product as supplied. Using the product as intended, you have to reckon with it being contaminated or mixed with other chemicals. The selection of a suitable glove then depends on the properties of these chemicals.

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

Value for the permeation: Level ≥ 6

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

Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties	
General Information	
· Appearance: Form:	Solid
Colour:	White
· Odour:	like acetic acid
· Odour threshold:	Not determined.
· pH-value:	Not applicable.
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. Not applicable (decomposition)
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Ignition temperature:	No information available
· Decomposition temperature:	Not determined.
· Self-igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.

____ GB

Safety data sheet according to Regulation (EC) No. 1907/2006 **Roth**

Revision: 22.08.2012

Printing date 22.08.2012

Version number 1

Trade name: Calcium acetate monohydrate ≥99%, p.a., ACS

	(Contd. of page 4)
· Vapour pressure:	Not applicable.
 Density: Relative density Vapour density Evaporation rate 	Not determined. Not determined. Not applicable. Not applicable.
 Solubility in / Miscibility with water: 	Not determined.
· Partition coefficient (n-octanol/water):	Not determined.
 Viscosity: Dynamic: Kinematic: Other information 	Not applicable. Not applicable. No further relevant information available.

10 Stability and reactivity

- · Reactivity
- · Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions No information available.
- \cdot Conditions to avoid No further relevant information available.
- \cdot Incompatible materials: Strong oxidizing agents.
- · Hazardous decomposition products:

Vapours of acetic acid.

In case of fire: see item 5.

11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

- · LD/LC50 values relevant for classification:
- Oral LD50 4280 mg/kg (rat) (TOXNET)
- Specific symptoms in biological assay: No information available.
- · Primary irritant effect:
- · on the skin: No irritating effect.
- on the eye: No irritating effect.
- after inhalation: No irritating effect.
- · Sensitization: No sensitizing effects known.
- Additional toxicological information:
- When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- The substance is not subject to classification according to the latest version of the EU lists.
- Further information: The product should be handled with the care usual when dealing with chemicals.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) No information available

12 Ecological information

- · Toxicity
- Aquatic toxicity: Quantitative data on the ecological effect of this product are not available.
- Persistence and degradability No further relevant information available.

according to Regulation (EC) No. 1907/2006

Printing date 22.08.2012

Version number 1

Trade name: Calcium acetate monohydrate ≥99%, p.a., ACS

- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark:

Harmful effect on aquatic organisms due to pH shift. Do not allow to enter waters, waste water, or soil!

- · Results of PBT and vPvB assessment
- PBT: Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

- Recommendation

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

· Uncleaned packaging:

• Recommendation: Disposal according to official regulations.

14 Transport information

-	
· UN-Number · ADR, ADN, IMDG, IATA	Void
 · UN proper shipping name · ADR, ADN, IMDG, IATA 	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
· Transport/Additional information:	
· ADR · Remarks:	Not subject to transport regulations.
· UN "Model Regulation":	-

15 Regulatory information

 $^{\rm \cdot}$ Safety, health and environmental regulations/legislation specific for the substance or mixture

· National regulations:

· Information about limitation of use: In dealing with chemicals the national laws must be observed.

ROTH

Revision: 22.08.2012

(Contd. of page 5)

according to Regulation (EC) No. 1907/2006

Printing date 22.08.2012

Version number 1

Revision: 22.08.2012

Trade name: Calcium acetate monohydrate ≥99%, p.a., ACS

(Contd. of page 6)

GR

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS: Department: Health, Safety and Environment
- Contact: Herr Heine
- 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
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent

