

Calcium acetate

000000021027

Version 1.1

Revision Date 30.04.2017

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

1.1. Product identifier

Product name : Calcium acetate
SDS-number : 000000021027
Type of product : Substance
Remarks : Document according to Art. 32 of Regulation (EC) 1907/2006.
Chemical name : Calcium di(acetate) hydrate
CAS-No. : 114460-21-8
REACH Registration Number : no data available

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

Use of the Substance/Mixture : Laboratory chemicals
Uses advised against : none

1.3. Details of the supplier of the safety data sheet

Company : Honeywell International Inc. Honeywell International, Inc.
115 Tabor Road 115 Tabor Road
07950-2546 Morris Plains Morris Plains, NJ 07950-2546
USA USA

Telephone :
Telefax :
For further information,
please contact: : PMTEU Product Stewardship:
SafetyDataSheet@Honeywell.com

1.4. Emergency telephone number

Emergency telephone number : +1-703-527-3887 (ChemTrec-Transport)
+1-303-389-1414 (Medical)
Country based Poison Control Center : see chapter 15.1

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

2.2. Label elements

REGULATION (EC) No 1272/2008

Precautionary statements : P280

Wear protective gloves/ eye protection/
face protection.

Not a hazardous substance or mixture.

2.3. Other hazards

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

SECTION 3: Composition/information on ingredients

3.1. Substance

Chemical name	CAS-No. Index-No. REACH Registration Number EC-No.	Classification 1272/2008	Concentration	Remarks
Calcium di(acetate) hydrate	114460-21-8 200-540-9		<= 100 %	N.C.*

N.C.* - Non-hazardous substance - for information only

3.2. Mixture

Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

Inhalation:

If inhaled, remove to fresh air.

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Skin contact:

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

Eye contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion:

Rinse mouth with water. Call a physician immediately.

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

See Section 11 for more detailed information on health effects and symptoms. :

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray
Foam
Carbon dioxide (CO₂)
Dry powder

Extinguishing media which shall not be used for safety reasons:

High volume water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.
Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment.

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6.2. Environmental precautions

No special environmental precautions required. Discharge into the environment must be avoided.

6.3. Methods and materials for containment and cleaning up

Use mechanical handling equipment.
Pick for disposal in tightly closed containers

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

Do not breathe dust. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves.

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Hygiene measures:

Take off all contaminated clothing immediately. Wash hands before breaks and at the end of workday.
Avoid contact with the skin and the eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

no additional data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

DNEL/ PNEC-Values

Component	End-use / Impact	Exposure duration	Value	Exposure routes	Remarks

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Calcium di(acetate) hydrate	Workers / Long-term systemic effects		1020,28 mg/m ³	Inhalation	
Calcium di(acetate) hydrate	Workers / Acute systemic effects		6121,68 mg/m ³	Inhalation	
Calcium di(acetate) hydrate	Workers / Long-term systemic effects		11,57mg/kg bw /d	Skin contact	
Calcium di(acetate) hydrate	Workers / Acute systemic effects		69,44mg/kg bw /d	Skin contact	
Calcium di(acetate) hydrate	Consumers / Long-term systemic effects		498,85 mg/m ³	Inhalation	
Calcium di(acetate) hydrate	Consumers / Acute systemic effects		2993,1 mg/m ³	Inhalation	
Calcium di(acetate) hydrate	Consumers / Long-term systemic effects		5,8mg/kg bw /d	Skin contact	
Calcium di(acetate) hydrate	Consumers / Acute systemic effects		34,72mg/kg bw /d	Skin contact	
Calcium di(acetate) hydrate	Consumers / Long-term systemic effects		5,8mg/kg bw /d	Ingestion	
Calcium di(acetate) hydrate	Consumers / Acute systemic effects		34,72mg/kg bw /d	Ingestion	

Component	Environmental compartment / Value	Remarks
Calcium di(acetate) hydrate	Fresh water: 0,964 mg/l	Assessment factor: 1000
Calcium di(acetate) hydrate	Marine water: 0,096 mg/l	Assessment factor: 10000
Calcium di(acetate) hydrate	Sewage treatment plant: 700 mg/l	Assessment factor:

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Calcium di(acetate) hydrate	Fresh water sediment: 0,726 mg/kg dw	
Calcium di(acetate) hydrate	Marine sediment: 0,073 mg/kg dw	
Calcium di(acetate) hydrate	Soil: 0,154 mg/kg dw	

8.2. Exposure controls

Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, safety shoes EN-ISO 20345.

Do not breathe dust.

Engineering measures

Local exhaust

Personal protective equipment

Respiratory protection:

In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection:

Glove material: Natural Latex

Break through time: > 480 min

Glove thickness: 0,6 mm

Lapren®706

Gloves must be inspected prior to use.

Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.

Due to varying conditions (e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.

Manufacturer's directions for use should be observed because of great diversity of types .

Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

Eye protection:

Safety glasses with side-shields

Skin and body protection:

Protective suit

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Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	:	solid
Colour	:	colourless
Odour	:	slight, original odour
molecular weight	:	158,17 g/mol anhydrous substance
Melting point/range	:	no data available
Boiling point/boiling range	:	Not applicable
Flash point	:	Not applicable
Flammability (solid, gas)	:	This product is not easily inflammable.
Ignition temperature	:	Not applicable
Auto-ignition temperature	:	not auto-flammable
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	no data available
Bulk density	:	ca. 430 kg/m ³
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
pH	:	7 - 9 at 20 °C (as aqueous solution)
Water solubility	:	250 g/l

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at 20 °C

Partition coefficient: n-
octanol/water : no data available

9.2 Other Information

no additional data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

>160 °C
Decomposition temperature

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Protect from moisture.

10.5. Incompatible materials

Acids

10.6. Hazardous decomposition products

Flammable gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

LD50

Species: Rat

Value: ca. 2.700 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity:

Not classified due to data which are conclusive although insufficient for classification.

Acute inhalation toxicity:

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LC50

Species: Rat

Value: > 5,6 mg/l

Exposure time: 4 h

Method: OECD Test Guideline 403

Skin irritation:

Species: Rabbit

Result: No skin irritation

Method: OECD Test Guideline 404

Eye irritation:

Species: Rabbit

Result: slight irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation:

Not classified due to data which are conclusive although insufficient for classification.

Carcinogenicity:

Note: no data available

Germ cell mutagenicity:

Note: Not classified due to data which are conclusive although insufficient for classification.

Aspiration hazard:

no data available

Other information:

Toxicological data applies only to the water free substance.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish:

Not classified due to data which are conclusive although insufficient for classification.

Toxicity to aquatic plants:

EC50

Growth rate

Species: Skeletonema costatum (marine diatom)

Value: > 1.000 mg/l

Exposure time: 72 h

Toxicity to Microorganisms:

EC10

Growth inhibition

Species: Pseudomonas putida

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Value: 3,5 mg/l
Exposure time: 16 h

Toxicity to aquatic invertebrates:

Not classified due to data which are conclusive although insufficient for classification.

12.2. Persistence and degradability

Biodegradability:

DOC decrease

Biodegradation: 99 %

Exposure time: 28 d

Result: rapidly biodegradable

12.3. Bioaccumulative potential

no data available

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:

Dispose according to legal requirements.

Packaging:

Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

Further information:

Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC

Regulation No. 1013/2006

For personal protection see section 8.

SECTION 14: Transport information

ADR/RID

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Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15: Regulatory information

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

Poison Control Center

Country	Phone Number
Austria	+4314064343
Belgium	070 245245
Bulgaria	(+35929154233
Croatia	(+3851)23-48-342
Cyprus	no data available
Czech Republic	+420224919293; +420224915402
Denmark	82121212
Estonia	16662; (+372)6269390
Finland	9471977
France	+33(0)145425959
Greece	no data available
Hungary	(+36-80)201-199
Iceland	5432222
Ireland	+353(1)8092166
Italy	no data available
Germany	Berlin : 030/19240
	Bonn : 0228/19240
	Erfurt : 0361/730730
	Freiburg : 0761/19240
	Göttingen : 0551/19240
	Homburg : 06841/19240
	Mainz : 06131/19240
Munich : 089/19240	

Country	Phone Number
Latvia	+37167042473
Liechtenstein	no data available
Lithuania	+370532362052
Luxembourg	070245245; (+352)80002-5500
Malta	no data available
Netherlands	030-2748888
Norway	22591300
Poland	no data available
Portugal	808250143
Romania	no data available
Slovakia (NTIC)	+421 2 54 774 166
Slovenia	no data available
Spain	+34915620420
Sweden	112 (begär Gif tinformation);+46104566786
United Kingdom	no data available

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Other inventory information

US. Toxic Substances Control Act
On TSCA Inventory

Australia. Industrial Chemical (Notification and Assessment) Act
Not in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List
On the inventory, or in compliance with the inventory

Korea. Toxic Chemical Control Law (TCCL) List
On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand
On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Further information

All directives and regulations refer to amended versions.
Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

Abbreviations:

EC European Community

CAS Chemical Abstracts Service

DNEL Derived no effect level

PNEC Predicted no effect level

vPvB Very persistent and very bioaccumulative substance

PBT Persistent, bioaccumulative und toxic substance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.
