

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

**Supersedes date** 01-Mar-2024

**Revision date** 15-Dec-2025

**Revision Number** 10.03

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

### 1.1. Product identifier

|                                 |                                                                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code(s)</b>          | 64052                                                                                                                                                             |
| <b>Safety data sheet number</b> | 64052                                                                                                                                                             |
| <b>Product Name</b>             | CALCIUM HYDROGEN ORTHOPHOSPHATE                                                                                                                                   |
| <b>EC Number</b>                | 231-826-1                                                                                                                                                         |
| <b>CAS No</b>                   | 7757-93-9                                                                                                                                                         |
| <b>Synonyms</b>                 | A COMPREZ, A COMPREZ EC EP GRANULAR, A COMPREZ EC GRANULAR, A COMPREZ EC POWDER, A COMPREZ EC EP USP GRANULAR, A COMPREZ EC EP USP POWDER, A COMPREZ BP EP USP DC |
| <b>Pure substance/mixture</b>   | Substance                                                                                                                                                         |
| <b>Molecular weight</b>         | ~ 136.06                                                                                                                                                          |

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

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| <b>Recommended use</b> | Pharmaceuticals<br>Food/Feed additive<br>Food industry |
|------------------------|--------------------------------------------------------|

### 1.3. Details of the supplier of the safety data sheet

#### **Supplier**

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| <b>E-mail address</b>                 | SDS.EMEA@univarsolutions.com      |
| <b>Non-Emergency Telephone Number</b> | +44 1274 267300 / +44 1274 267306 |

### 1.4. Emergency telephone number

|                            |                                |
|----------------------------|--------------------------------|
| <b>Emergency Telephone</b> | SGS - +32 (0)3 575 55 55 (24h) |
|----------------------------|--------------------------------|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified

## 2.2. Label elements

Not classified

## Hazard statements

Not classified

- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

## 2.3. Other hazards

No information available.

# SECTION 3: Composition/information on ingredients

## 3.1 Substances

| Chemical name                                | Weight-% | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|----------------------------------------------|----------|---------------------|------------------------------|--------------------------------------------------------------|------------------------------------|----------|----------------------|
| CALCIUM HYDROGEN ORTHOPHOSPHATE<br>7757-93-9 | <=100%   | 231-826-1           | -                            | -                                                            | -                                  | -        | -                    |

## Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

# SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                       |                                                                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance. Keep victim under observation. Never give anything by mouth to an unconscious person.                                                        |
| <b>Inhalation</b>     | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.                                 |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur. |
| <b>Skin contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur.                                                   |

**Ingestion** Rinse mouth thoroughly with water. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Get medical attention if symptoms occur.

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

**Eyes** Dust contact with the eyes can lead to mechanical irritation.

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

**Note to doctors** Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

#### **5.2. Special hazards arising from the substance or mixture**

**Specific hazards arising from the chemical** When heated and in case of fire, toxic vapours/gases may be formed.

**Hazardous combustion products** Carbon oxides.

#### **5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid generation of dust.

**For emergency responders** Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

#### **6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal. After cleaning, flush away traces with water.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with eyes, skin and clothing. Do not breathe dust. Avoid generation of dust. Avoid eating, drinking and smoking when using the product.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

#### 7.3. Specific end use(s)

**Specific use(s)**  
See section 1 for more information.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

#### 8.2. Exposure controls

**Engineering controls** No information available.

#### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

**Hand protection** Wear suitable gloves. Gloves must conform to standard EN 374.

|                                                                  |                                                                                                                                             |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin and body protection</b>                                  | Wear appropriate clothing to prevent reasonably probable skin contact.                                                                      |
| <b>Respiratory protection</b><br><b>Recommended filter type:</b> | Use appropriate respiratory protection.<br>Dust filter P2 (for fine dust).                                                                  |
| <b>General hygiene considerations</b>                            | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                        |                                                |
|------------------------|------------------------------------------------|
| <b>Physical state</b>  | Powder                                         |
| <b>Appearance</b>      | Dusty powder granules solid Crystalline powder |
| <b>Colour</b>          | white                                          |
| <b>Odour</b>           | Odourless.                                     |
| <b>Odour threshold</b> | No information available                       |

| <u>Property</u>                                | <u>Values</u>                                              | <u>Remarks • Method</u>    |
|------------------------------------------------|------------------------------------------------------------|----------------------------|
| <b>Melting point / freezing point</b>          | > 370 °C                                                   | Decomposes before melting. |
| <b>Initial boiling point and boiling range</b> |                                                            | No information available.  |
| <b>Flammability</b>                            |                                                            | No information available.  |
| <b>Flammability Limit in Air</b>               |                                                            | No information available.  |
| <b>Upper flammability or explosive limits</b>  |                                                            |                            |
| <b>Lower flammability or explosive limits</b>  |                                                            |                            |
| <b>Flash point</b>                             |                                                            | Not applicable.            |
| <b>Autoignition temperature</b>                |                                                            | No information available.  |
| <b>Decomposition temperature</b>               |                                                            | No information available.  |
| <b>pH</b>                                      |                                                            | No information available.  |
| <b>pH (as aqueous solution)</b>                | 6 - 8                                                      | solution (10 %).           |
| <b>Kinematic viscosity</b>                     |                                                            | No information available.  |
| <b>Dynamic viscosity</b>                       |                                                            | No information available.  |
| <b>Water solubility</b>                        | Insoluble in water To slightly soluble                     |                            |
| <b>Solubility(ies)</b>                         |                                                            | No information available.  |
| <b>Partition coefficient</b>                   |                                                            | No information available.  |
| <b>Vapour pressure</b>                         |                                                            | No information available.  |
| <b>Relative density</b>                        | 0.85 - 2.89                                                |                            |
| <b>Bulk density</b>                            | 500 - 1400 kg/m <sup>3</sup>                               | @ 20 °C                    |
| <b>Liquid Density</b>                          | No information available                                   | No information available   |
| <b>Relative vapour density</b>                 |                                                            | No information available.  |
| <b>Particle characteristics</b>                |                                                            | No information available.  |
| <b>Particle Size</b>                           | No information available                                   |                            |
| <b>Particle Size Distribution</b>              | No information available                                   |                            |
| <b>Explosive properties</b>                    | Not considered to be explosive.                            |                            |
| <b>Oxidising properties</b>                    | Does not meet the criteria for classification as oxidising |                            |

### 9.2. Other information

|                         |          |
|-------------------------|----------|
| <b>Molecular weight</b> | ~ 136.06 |
|-------------------------|----------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No information available.

#### 10.2. Chemical stability

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

#### 10.4. Conditions to avoid

**Conditions to avoid** None known based on information supplied.

#### 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

##### Information on likely routes of exposure

##### **Product Information**

**Inhalation** Inhalation of dust in high concentration may cause irritation of respiratory system.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Contact with dust can cause mechanical irritation or drying of the skin.

**Ingestion** Gastrointestinal discomfort.

##### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

##### Acute toxicity

##### **Numerical measures of toxicity**

No information available

**The following values are calculated based on chapter 3.1 of the GHS document**

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

##### **Component Information**

| Chemical name                   | Oral LD50            | Dermal LD50             | Inhalation LC50 |
|---------------------------------|----------------------|-------------------------|-----------------|
| CALCIUM HYDROGEN ORTHOPHOSPHATE | > 2000 mg/kg ( Rat ) | > 7940 mg/kg ( Rabbit ) | -               |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                                          |                                                                  |
|------------------------------------------|------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | No information available.                                        |
| <b>Serious eye damage/eye irritation</b> | Based on available data the classification criteria are not met. |
| <b>Respiratory or skin sensitisation</b> | Based on available data the classification criteria are not met. |
| <b>Germ cell mutagenicity</b>            | Based on available data the classification criteria are not met. |
| <b>Carcinogenicity</b>                   | Based on available data the classification criteria are not met. |
| <b>Reproductive toxicity</b>             | Based on available data the classification criteria are not met. |
| <b>STOT - single exposure</b>            | Based on available data the classification criteria are not met. |
| <b>STOT - repeated exposure</b>          | Based on available data the classification criteria are not met. |
| <b>Aspiration hazard</b>                 | Based on available data the classification criteria are not met. |
| <b>Other adverse effects</b>             | No information available.                                        |

**SECTION 12: Ecological information****12.1. Toxicity**

|                                 |                                                                             |
|---------------------------------|-----------------------------------------------------------------------------|
| <b>Ecotoxicity</b>              | The environmental impact of this product has not been fully investigated.   |
| <b>Unknown aquatic toxicity</b> | Contains 0 % of components with unknown hazards to the aquatic environment. |

**12.2. Persistence and degradability**

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and degradability</b> | No information available. |
|--------------------------------------|---------------------------|

**12.3. Bioaccumulative potential**

|                        |                                    |
|------------------------|------------------------------------|
| <b>Bioaccumulation</b> | There is no data for this product. |
|------------------------|------------------------------------|

**12.4. Mobility in soil**

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>Mobility in soil</b> | Insoluble. partially soluble. To. |
|-------------------------|-----------------------------------|

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name                   | PBT and vPvB assessment       |
|---------------------------------|-------------------------------|
| CALCIUM HYDROGEN ORTHOPHOSPHATE | PBT assessment does not apply |

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**SECTION 14: Transport information****IATA**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**IMDG**

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| 14.1 UN number or ID number                                  | Not regulated            |
| 14.2 UN proper shipping name                                 | Not regulated            |
| 14.3 Transport hazard class(es)                              | Not regulated            |
| 14.4 Packing group                                           | Not regulated            |
| 14.5 Environmental hazards                                   | No                       |
| 14.6 Special precautions for user                            |                          |
| Special Provisions                                           | None                     |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

**RID**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**ADR**

|                                 |               |
|---------------------------------|---------------|
| 14.1 UN number or ID number     | Not regulated |
| 14.2 UN proper shipping name    | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group              | Not regulated |

|                                   |      |
|-----------------------------------|------|
| 14.5 Environmental hazards        | No   |
| 14.6 Special precautions for user |      |
| Special Provisions                | None |

## SECTION 15: Regulatory information

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

#### National regulations

##### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

##### Persistent Organic Pollutants

Not applicable

##### Export Notification requirements

Not applicable

##### Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

##### The Ozone-Depleting Substances Regulations 2015

Not applicable

##### The Biocidal Products Regulations 2001 (as amended)

Not applicable

##### The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

##### Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

#### International Inventories

|               |                                                  |
|---------------|--------------------------------------------------|
| TSCA          | Contact supplier for inventory compliance status |
| DSL/NDSL      | Contact supplier for inventory compliance status |
| EINECS/ELINCS | Contact supplier for inventory compliance status |
| ENCS          | Contact supplier for inventory compliance status |
| IECSC         | Contact supplier for inventory compliance status |
| KECI          | Contact supplier for inventory compliance status |
| PICCS         | Contact supplier for inventory compliance status |
| AIIC          | Contact supplier for inventory compliance status |
| NZIoC         | Contact supplier for inventory compliance status |

#### Legend:

|               |                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------|
| TSCA          | - United States Toxic Substances Control Act Section 8(b) Inventory                                |
| DSL/NDSL      | - Canadian Domestic Substances List/Non-Domestic Substances List                                   |
| EINECS/ELINCS | - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| ENCS          | - Japan Existing and New Chemical Substances                                                       |
| IECSC         | - China Inventory of Existing Chemical Substances                                                  |
| KECL          | - Korean Existing and Evaluated Chemical Substances                                                |
| PICCS         | - Philippines Inventory of Chemicals and Chemical Substances                                       |
| AIIC          | - Australian Inventory of Industrial Chemicals                                                     |
| NZIoC         | - New Zealand Inventory of Chemicals                                                               |

### 15.2. Chemical safety assessment

## Chemical Safety Report

No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitisers                 |      |                                  |

Revision Note **SDS sections updated 1**

**Classification procedure**

| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
|-----------------------------------------------------------------|--------------------|
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
 Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

**Prepared By** Lisa Bland

**Supersedes date** 01-Mar-2024

**Revision date** 15-Dec-2025

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Disclaimer**

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 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.

**End of Safety Data Sheet**