

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

#### 1.1. Product identifier

Product form	: Substance
Trade name	: Dicalcium Phosphate
Chemical name	: Calcium hydrogen orthophosphate
EC-No.	: 231-826-1
CAS-No.	: 7757-93-9
Formula	: CaHPO <sub>4</sub>
Product group	: Raw material

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Animal feed

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

TIMAB TUNISIE  
ZI de Ghannouch  
6000 Gabès - Tunisie  
T 00 216 75 273 883 - F 00 216 75 277 466  
[contact@phosphea.com](mailto:contact@phosphea.com)

##### Distributor

TUNIFEED  
ZI de Ghannouch  
6000 Gabès - Tunisie  
T 00 216 75 273 883 - F 00 216 75 277 466

##### Distributor

STEP SARL  
6 Rue Ibn Hazm, Cité les jardins Belvédère  
1002 Tunis - Tunisie  
F 00 216 75 277 466

#### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Europe/Middle-East/Africa	3E		+1-760-476-3961 (Access code : 333021)	(24/7)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium hydrogen orthophosphate	(CAS-No.) 7757-93-9 (EC-No.) 231-826-1	100	Not classified

#### 3.2. Mixtures

Not applicable

# Dicalcium Phosphate

## Product Safety Information Sheet

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Go into open air and ventilate suspected area.
First-aid measures after skin contact	: Remove all contaminated clothing and footwear. Rinse with water.
First-aid measures after eye contact	: Rinse thoroughly and plentifully with water, also under the eyelids. Consult an eye specialist.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth out with water. Drink plenty of water. Get medical advice/attention.

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

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: May cause slight irritation.
Symptoms/effects after ingestion	: None under normal conditions.

#### 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	: All extinguishing media allowed. water, carbon dioxide (CO <sub>2</sub> ), powder and foam.
Unsuitable extinguishing media	: None known.

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

Fire hazard	: Not flammable.
Explosion hazard	: Not explosive.
Reactivity in case of fire	: No data available.
Hazardous decomposition products in case of fire	: No data available.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Ensure adequate ventilation, especially in confined areas.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

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

General measures	: Avoid dust formation.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
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##### 6.1.2. For emergency responders

Protective equipment	: Wear recommended personal protective equipment.
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#### 6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

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

For containment	: Collect spillage.
Methods for cleaning up	: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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

Technical measures	: Does not require any specific or particular technical measures.
Storage conditions	: Store in dry, cool, well-ventilated area. Maintain air gap between stacks/pallets.
Storage temperature	: ≤ 25 °C
Special rules on packaging	: Keep only in original container.
Packaging materials	: Polyethylene. Polypropylene.

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

(see section(s) : 1.2. Relevant identified uses of the substance or mixture and uses advised against).

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

##### Personal protective equipment:

Dust/aerosol mask. Gloves. Safety glasses. Protective clothing.

##### Materials for protective clothing:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

##### Eye protection:

EN 166. Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

##### Skin and body protection:

Wash contaminated clothing before reuse. Rubber boots. Protective clothing

##### Respiratory protection:

Dust formation: dust mask. EN 149

##### Personal protective equipment symbol(s):



##### Environmental exposure controls:

Comply with applicable regulations. Avoid creating or spreading dust. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Assure that emissions are compliant with all applicable air pollution control regulations.

##### Consumer exposure controls:

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

##### Other information:

See Heading 7 : 7.1. Precautions for safe handling. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Granulate. Powder.
Molecular mass	: 136.06 g/mol
Colour	: White.
Odour	: Odourless.
Odour threshold	: No data available
pH	: 4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 450 °C Gives up water at 109°C
Freezing point	: No data available
Boiling point	: Not applicable.
Flash point	: Not applicable.
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: Not applicable.
Relative vapour density at 20 °C	: No data available
Relative density	: 0.8 - 1

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Solubility	: Soluble in water. Water: 0.153 g/l at 20 °C Ethanol: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

None to our knowledge.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

#### Calcium hydrogen orthophosphate (7757-93-9)

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 7940 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 2.6 mg/l/4h
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 4
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 4
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Ecological problems are not known or expected under normal use.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### Calcium hydrogen orthophosphate (7757-93-9)

LC50 fish 1	> 13.5 mg/l (OECD 203 method)
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EC50 Daphnia 1	> 2.9 mg/l (OECD 202 method)
EC50 72h algae 1	> 4.4 mg/l (OECD 201 method)

### 12.2. Persistence and degradability

#### Calcium hydrogen orthophosphate (7757-93-9)

Persistence and degradability : Not applicable (inorganic substance).

### 12.3. Bioaccumulative potential

#### Calcium hydrogen orthophosphate (7757-93-9)

Bioaccumulative potential : Bioaccumulation unlikely.

### 12.4. Mobility in soil

#### Calcium hydrogen orthophosphate (7757-93-9)

Ecology - soil : No additional information available. Soluble in water.

### 12.5. Results of PBT and vPvB assessment

#### Calcium hydrogen orthophosphate (7757-93-9)

Results of PBT assessment : The product does not meet the PBT and vPvB classification criteria

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Avoid release to the environment.  
Ecology - waste materials : Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

No supplementary information available

### 14.6. Special precautions for user

Special transport precautions : Avoid release to the environment.

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

IBC code : Not applicable.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Calcium hydrogen orthophosphate is not on the REACH Candidate List

Calcium hydrogen orthophosphate is not on the REACH Annex XIV List

Calcium hydrogen orthophosphate is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Calcium hydrogen orthophosphate is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. Chemical safety assessment

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Exempted from REACH registration

## SECTION 16: Other information

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Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
vPvB	Very Persistent and Very Bioaccumulative
LC50	Median lethal concentration
EC50	Median effective concentration

Data sources : Chemical safety report (CSR).

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*