

SAFETY DATA SHEET

(RG, 13.12.2014, No-29204) It complies with the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures.

Substance/Mixture Name	Tricalcium Phosphate	Regulation Date	20.12.2024
		Editing Date	
Form No	042.650.20	Number Of Editing	1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name : [Tricalcium Phosphate](#)
 Form No/GBF No : 042.650.20
 Brand : [Tito](#)
 E Code : E341
 EC No : 231-840-8
 CAS No : 7758-87-4
 Country of Origin : Türkiye (The origin of the main component is different from the origin of the final product).
 Functional Class : Phosphates
 Source : Phosphoric Acid, Calcium Carbonate, Water

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

Identified uses : Manufacturing of products in food and various industries.
 Foods that can be added : It is used in permitted finished products, taking into account the relevant limitations, in accordance with the regulations in the Turkish Food Codex, Food Additives Regulation and vertical communique. If the food laws are not explained enough, please apply to the Food Law Authorities in your country.
 Uses advised against : No additional information available.

1.3 Details of the supplier of the substance Identification of the company

Name of Food Manufacturer : Smart Kimya Trade and Consultancy Limited Company
 Address of Food Manufacturer : 3AO, 8901/3 Street, Balatçık Neighborhood, Ege Industrial Site, Çiğli/İzmir
 Central Address : 10016 Street No:18 AOSB Çiğli/İzmir
 Manufacturer Registration Number : TR-35-K-047442
 Telephone : 0850 441 00 22
 Email Address : s@hammaddeler.com
 Websites : hammaddeler.com - smartkimya.com - gbf.com.tr

1.4 Emergency Phone Number

National Toxic Information Center (UZEM): 114

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of Substance and Mixture

Classification according to Regulation (EC) No 2884/2013

The substance is not classified according to the CLP regulation.

2.2 Label elements

Labelling according Regulation (EC) No 2884/2013

Pictogram : Not applicable
 Signal word (SEA) : Not applicable
 Hazard Statements (SEA) : Not applicable
 Precautionary statement(s) : Not applicable
 Supplemental Hazard Statements : None

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component Name	EC No	CAS No	Concentration (%)	(RG, 11.12. 2013, No 28848) Classification in accordance with the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" (SEA)
Tricalcium Phosphate	231-840-8	7758-87-4	>=90	Not classified

3.2 Mixtures

Not applicable.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation

Move patient to fresh air, if symptoms persist consult a doctor.

In case of skin contact

Wash with water and soap. Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water. If irritation persists get medical attention.

Following ingestion

Rinse out mouth and then drink plenty of water. If symptoms persist, consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use fire extinguishing methods suitable to surrounding conditions. CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No additional information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

5.4 Additional information

No additional information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid dust formation.

6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water. No special measures required.

6.3 Methods and material for containment and cleaning up

Collect mechanically. Dispose of the material collected according to official regulations.

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 disposal information.

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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevent formation of dust. No special precautions are necessary if used correctly.

Information about fire - and explosion protection:

The product is not flammable.

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place in tightly closed receptacles.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with Workspace Control Parameters

No additional information available.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2. Personal protection equipment

General protective and hygienic measures

Wash hands before breaks and at the end of work. The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes.

Eye/face protection

Safety glasses with side-shields (EN 166).

Body Protection

Use Light weight protective clothing.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation. Dust mask according to DIN EN 140 or 149 (FFP1 or FFP2).

8.2.3. Environmental exposure controls

No additional information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Solid-Powder
Colour	: White
Odour	: Odourless
Formula	: $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$
Molecular weight	: 1004.6 g/mole
pH	: No additional information available
Solubility	: Very slightly soluble in cold water
Initial boiling point and boiling range	: No additional information available
Melting point/Freezing point	: 1670°C (3038°F)
Vapor Density	: Not applicable
Dispersion Properties	: No additional information available
Vapor Pressure	: Not applicable
Specific Gravity	: 3.14 (Water = 1)

9.2 Other information

No additional information available.

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxic Effects

Acute toxicity

LD50: Not available.

LC50: Not available.

Serious eye damage/irritation

No additional information available.

Skin corrosion/irritation

No additional information available.

Respiratory or skin sensitization

No additional information available.

Germ cell mutagenicity

No additional information available.

Carcinogenicity

No additional information available.

Reproductive toxicity

No additional information available.

Specific target organ toxicity – Single exposure

No additional information available.

Specific target organ toxicity - repeated exposure

No additional information available.

Aspiration Toxicity

No additional information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information available.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.7 Other adverse effects

Very toxic to aquatic life with long lasting effects.



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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.2. UN proper shipping name

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.3. Transport hazard class(es)

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.4. Packing group

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.5. Environmental hazards

ADR (Road)/RID (Rail) : Not applicable
 IMDG (Seaway) : Not applicable
 IATA (Airline) : Not applicable

14.6. Special precautions for user

No additional information available.

14.7. Bulk transportation according to MARPOL 73/78 annex II and IBC code

No additional information available.

SECTION 15. REGULATORY INFORMATION

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

- Regulation on Classification, Labeling and Packaging of Substances and Mixtures (SEA) published in the Official Gazette dated December 1, 2013, bis numbered 28848.

-Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (KKDIK) published in the Official Gazette dated June 23, 2017 and numbered 30105.

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16. OTHER INFORMATION

Waiver Statement

The information presented in this safety data sheet is based on the information we already have. Although the information is reliable, it should not be considered accurate and complete. The prepared safety data sheet does not constitute a guarantee and should be used as a guide. This information has been prepared specifically for the substance or mixture in question, and may not be valid for compounds and processes made with other substances. and may vary depending on other raw materials; For this reason, the person or institution purchasing the products freely decides to use the product after evaluating its suitability for its own use, its impact on environmental conditions, its effects on occupational health and safety. Hammaler.com, Smart Kimya Tic. and Dan. Ltd. Şti., our representatives and solution partners cannot be held responsible for the use of this information.