



PRODUCT TECHNICAL DOSSIER

MAGNESIUM PHOSPHATE DI BASIC TRI HYDRATE

Product Code:

P13058

Raw Material Full Name:

MAGNESIUM PHOSPHATE DI BASIC TRI HYDRATE

This material is Food Grade:



Limit/Range/Specification:

Assay (as $Mg_2P_2O_7$) Min 96.0%

Magnesium Content:

Anhydrous Basis Min 19.4%

Tri hydrate Basis Min 13.4%

CAS Number:

7757-86-0

Molecular Formula for the raw material:

$MgHPO_4 \cdot 3H_2O$

Average Molecular weight:

174.33

Solubility in Water:

Insoluble

Solubility in HCl:

Clear/Colourless

Loss on Ignition:

29.0% - 36.0%

Identification (A):

To Pass Test

Identification (B):

To Pass Test



**Country of Origin:**

USA

Country of Origin of the Manufacture:

USA

Base Source/Start Material:

Phosphoric Acid & Magnesium Oxide

Material is:

100%

Compound Ingredients:

None

Shelf Life from Date of Manufacture:

Minimum 2 Years (Batch Specific)

Storage Conditions:

This material is to be stored in a tightly sealed bag/container and to be kept in a cool place away from moisture and direct sunlight.

Appearance:

Granular Powder

Colour:

White/Off White

Flavour/Taste:

Characteristic

Texture:

Powder

Odour:

Characteristic



Microbiological Test

Total Viable Count:

Max 1,000cfu/g

Yeast & Moulds:

Max 100cfu/g

Total Coliforms:

Negative

Metals

Lead (Pb):

Max 3ppm

Fluoride:

Max 25ppm

Arsenic (As):

Max 1ppm

Pharmacopeia Standard Used:

USP

There are no nuts in this recipe and are no nuts on site, however we cannot guarantee that the raw materials entering the site are nut free.



INTOLERANCE DATA		If No please give details	
Free from All Animal Products (Beef, Pork, Poultry or other)	YES		
Free from Bovine Products or Derivatives by using hormones to increase milk yield in cows	YES		
Free from Bone Meal	YES		
Free from Peanuts and Peanut Derivatives (including possible cross contamination)	YES		
Free from other Nut and Nut Derivatives	YES		
Free from Nut Derived Oil	YES		
Free from Sesame Seeds and Sesame Seed Derivatives	YES		
Free from Poppy Seeds and Poppy Seed Derivatives	YES		
Free from Sunflower Seeds and Sunflower Seeds Derivatives	YES		
Free from other Seeds and Seed Derivatives	YES		
Free from Milk and Milk Derivatives (including lactose)	YES		
Free from Egg and Egg Derivatives	YES		
Free from Cereals containing Gluten (wheat / rye / oats / barley/ spelt/ kamut or their hybridised strains) and Derivatives	YES		
Free from Soya and Soya Derivatives	YES		
Free from Maize and Maize Derivatives	YES		
Free from Corn and Corn Derivatives	YES		
Free from Lupin and Lupin Derivatives	YES		
Free from Yeast and Yeast Derivatives	YES		
Free from Cotton Seeds (Flour) and Cotton Seed Derivatives	YES		
Free from Rice and Rice Derivatives	YES		
Free from Mustard and Mustard Derivatives	YES		
Free from Celery or Celery Derivatives	YES		
Free from Celeriac or Celeriac Derivatives	YES		
Free from Fruit and Fruit Derivatives	YES		
Free from Vegetable and Vegetable Derivatives	YES		
Free from Carrot and Carrot Derivatives	YES		
Free from Legumes / Pulses	YES		
Free from Fish and Fish Derivatives	YES		
Free from Crustaceans / Molluscs and their Derivatives	YES		
Free from Additives	YES		
Free from Added Salt	YES		
Free from Added Sugar	YES		
Free from Antioxidants	YES		
Free from Artificial Glutamates	YES		
Free from Aspartame	YES		
Free from Azo and Coal Tar Dyes	YES		
Free from Benzoates (E210 / E219)	YES		
Free from BHA / BHT (E320 / E321)	YES		
Free from Caffeine	YES		
Free from Cinnamon	YES		
Free from Cocoa	YES		
Free from Colours (Artificial / Nature Identical / Natural / Smoked)	YES		
Free from Dextrose	YES		
Free from Dioxins	YES		
Free from Ethanol	YES		





INTOLERANCE DATA

If No please give details

Free from Ethylene Oxide	YES		
Free from Flavourings (Artificial / Nature Identical / Natural / Smoked)	YES		
Free from Garlic	YES		
Free from Gelatine	YES		
Free from Glutamates (E620 to E625)	YES		
Free from Histamine	YES		
Free from Hickory	YES		
Free from Honey	YES		
Free from Lactose	YES		
Free from Latex	YES		
Free from MSG (Added and Naturally Occurring E621)	YES		
Free from Nucleotides (E627, E630, E631, E635)	YES		
Free from Polyols	YES		
Free from Preservatives	YES		
Free from Starch Products (Including Maltodextrin)	YES		
Free from Sorbic Acid (E200, E203)	YES		
Free from Sulphur Dioxide and Sulphites at levels above 10mg/kg or 10mg/litre expressed as SO ²	YES		
Free from Sulphites (E220, E228)	YES		
Free from Sweeteners	YES		
Free from Vannillin	YES		
Suitable for Diabetics	YES		
Suitable for Coeliacs	YES		
Suitable for Ovo-Lacto Vegetarians	YES		
Suitable for Vegans	YES		
Kosher Certified		NO	Not Certified
Halal Certified		NO	Not Certified



success starts with the finest ingredients...



CONFIRMATION OF BSE/TSE STATUS

This is to certify that this product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE.

This is also to certify that, during the course of their manufacture, the above-mentioned product did not come into contact with any materials, which could be derived from TSE/BSE risk materials.

CONFIRMATION OF GM STATUS

This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under regulations 1829/2003/EC and 1830/2003/EC.

CONFIRMATION OF NON IRRADIATION STATUS

This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives 1999/3/EC.

CONFIRMATION OF NANDROLONE STATUS

This is to certify that this product, whole or in part, has not come into contact with Nandrolone or any of its precursors in any way.

CONFIRMATION OF IOC PRODUCT STATUS

This is to certify that this product, whole or in part, has not come into contact with any product/s, which is banned by the IOC (International Olympics Committee) and or WADA.

CONFIRMATION OF ANIMAL TESTING STATUS

This is to certify that all the products sold by Cambridge Commodities have not been tested on animals in any part of its manufacture in accordance with regulation 86/609/EEC.

CONFIRMATION OF PESTICIDES STATUS

This is to certify that the above-mentioned product complies with the regulation (EC) No.396/2005 of 23rd February 2005 and commission Regulation (EU) No. 559/2011 of 7th June 2011 amending annexes II and III of the above Regulation.

CONFIRMATION OF NANOPARTICLE STATUS

This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation 2011/696/EU, defines as follows: "'Nanomaterial' means a natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm".



MATERIAL SAFETY DATA SHEET

1. Identification of the Substance/Preparation

Product Name: MAGNESIUM PHOSPHATE DI BASIC TRI HYDRATE
Product Code: P13058
Supplier: Cambridge Commodities Limited
59 Lancaster Way, Ely, Cambridgeshire, CB6 1NW.
Tel: 01353 667258. Email: mail@c-c-l.com

2. Ingredients/Identity Information

<u>Components</u>	<u>% in Product</u>	<u>CAS Number</u>	<u>Formula</u>	<u>EINECS Number</u>
Magnesium Phosphate Di Basic Tri Hydrate	100	7757 – 86 - 0	MgHPO4 3H2O	231 – 823 - 5

3. Hazards identification

Most Important Hazards No Particular risk when handled in accordance with good occupational hygiene practice
Classification of the product According to EC criteria, this product is not classified as a hazardous substance.

4. Emergency and First Aid Procedures

Eyes Rinse immediately with plenty of water for at least 15 minutes while holding eyelids apart. Seek medical attention if irritation persists.
Skin Remove contaminated clothing. Rinse with plenty of water.
Swallowing Wash out mouth with water. Consult a doctor if necessary.
Inhalation Remove to fresh air. If breathing is difficult, seek medical attention.

5. Fire and Hazard Data

Fire and Explosion Hazards No specific hazard under normal conditions of use.
Extinguishing Media Foam, water spray, carbon dioxide, dry chemical powder.
Specific hazards Not combustible.
Fire Fighting Instructions Wear a self-contained breathing apparatus w Use complete personal protective equipment.





6. Accidental release measures

Personal Precautions	Avoid contact with skin and eyes.
Environmental precautions	Do not discharge into drains and rivers.
Cleaning up Methods	Sweep or vacuum up. Place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Storage

Handling	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid the formation or spread of dust in the atmosphere.
Storage	Keep containers tightly closed and dry, in a cool well-ventilated area.

8. Control Methods/Personal Protection

Engineering Measures	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure
Respiratory Protection	Avoid inhalation. Dust filter P1 / FFP1 is recommended.
Hand/Body Protection	Avoid contact and prolonged or repeated exposure. Wear resistant gloves such as rubber. Wash thoroughly after handling. Protective clothing recommended.
Eye Protection	Wear safety glasses in compliance with OSHA regulations.

9. Physical and Chemical Properties

Physical state	Crystalline Powder
Colour	White to off white
Odour	Characteristic

10. Stability and Reactivity

Chemical Stability	Stable at ambient temperatures and under normal conditions of use.
Hazardous Decomposition Products	On thermal decomposition (pyrolysis), releases phosphorus oxides and magnesium oxides



11. Toxicological Information

Acute Toxicity	No information available
Local effects	The dust may be irritating to the respiratory system. May produce skin irritation. May cause irritation to the eyes.

12. Ecological Information

Eco-toxicity	No information available, however this product is not considered to present any particular risk for the aquatic environment
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13. Disposal Considerations

Waste from residues	Dispose of in accordance with all applicable local and national regulations.
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14. Transport Information

Transport classification	Not classified as dangerous for any mode of UK or International transport.
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15. Regulatory Information

EC LABELLING

Symbols and indications of danger	None
R Phrases	None
S Phrases	None
Reviews, Standards and Regulations	Health & Safety at work act 1974 COSHH Regulations (1994) EH40 Occupational exposure limits.





16. Other Information

This advice is given by Cambridge Commodities Ltd who accepts no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterised or unknown.

This Information provided in this document is subject to change and the batch specific Certificate of Analysis should always be referenced.

To be used as per local legislation.

Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	Shelf Life updated to Minimum 2 Years from date of Manufacture from 2 Years	No

Document Approval

Task	Role	Name	Sign	Date
Amended By	Quality Technician	M Lee		03.08.2015
Approver	Quality Specialist	Shannon McKenna		03.08.2015

