



## **PRODUCT TECHNICAL DOSSIER**

### **MAGNESIUM STEARATE**

**Product Code:**

**P1306**

**Raw Material Full Name:**

**Magnesium Stearate**

**Raw Material Full Botanical/Chemical/Latin/Trade Name/Synonyms:**

**Octadecanoic Acid & Magnesium Salts**

**Magnesium Content (On a Dry Basis):**

**4.0% - 5.0%**

**First Identification C & D:**

**To Pass The Test**

**Second Identification A, B & D:**

**To Pass The Test**

**Acidity or Alkalinity Test:**

**To Pass The Test**

**CAS Number:**

**557-04-0**

**Average Molecular weight:**

**591.24**

**Solubility in Water:**

**Practically Insoluble in Water**

**Solubility in Alcohol:**

**Practically Insoluble in Ethanol**



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# Cambridge Commodities Ltd

ACCREDITED SUPPLIERS OF HIGH QUALITY NUTRITIONAL INGREDIENTS

78 Lancaster Way Business Park  
Ely, Cambridgeshire  
CB6 3NW UK

tel: +44 (0)1353 667258

fax: +44 (0)1353 667289

email: mail@c-c-l.com

web: www.c-c-l.com

**Loss on Drying (at 105°C):**

**Max 6%**

**Free Alkalinity:**

**Max 0.100%**

**Free Fatty Acid:**

**Max 3.0%**

**Specific Surface Area:**

**1,500 – 3,500 m<sup>2</sup>/g**

**Fatty Acid Content (C16 + C18):**

**90.00 – 100.00%**

**Fatty Acid Content (C18):**

**40.00 – 100.00%**

**Chlorides:**

**Max 0.1%**

**Sulphates:**

**Max 1.0%**

**Particle Size:**

**100 Mesh**

**Percentage passed through:**

**95%**

**Country of Origin:**

**Europe/China**

**Country of Origin of the Manufacture:**

**Europe/China**

**Base Source/Start Material:**

**Stearic Acid & Magnesium Sulphate**



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**Origin of Product – Synthetic, Plant, Mineral, Animal, Fish or Fermented:  
Plant**

**Part of the plant used:  
Palm Fruit Oil**

**What is the extraction/processing used? What solvents are used and at what ratio's?  
Water is Used**

**Material is:  
100%**

**Compound Ingredients:  
None**

**Shelf Life from Date of Manufacture:  
2 Years**

**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:  
Free Flowing Fine Powder**

**Colour:  
White/Off White**

**Flavour/Taste:  
Characteristic**

**Texture:  
Powder**

**Odour:  
Characteristic**



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## Microbiological Test

**Total Viable Count:**  
**Max 1,000cfu/g**

**Yeast & Moulds:**  
**Max 100cfu/g**

**E.Coli:**  
**Absent in 25g**

**Salmonella:**  
**Absent in 25g**

## Metals

**Lead (Pb):**  
**Max 3ppm**

**Cadmium (Cd):**  
**Max 1ppm**

**Nickel (Ni):**  
**Max 5ppm**

**Pharmacopeia Standard Used:**  
**USP/NF24 & EP5**

**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.**



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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		



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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 <sup>2</sup>	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	
Halal Certified		NO	



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## **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 1999/2/EC and 1000/3/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).

## **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 23<sup>rd</sup> February 2005 and commission Regulation (EU) No. 559/2011 of 7<sup>th</sup> June 2011 amending annexes II and III of the above Regulation.



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## **MATERIAL SAFETY DATA SHEET**

### **Section 1 Description**

**Product Name:** MAGNESIUM STEARATE  
**Product Code:** P1306  
**Supplier:** Cambridge Commodities Limited  
78 Lancaster Way, Ely, Cambridgeshire, CB6 3NW.  
Tel: 01353 667258. Email: mail@c-c-l.com

### **Section 2 Ingredients/Identity Information**

<u>Components</u>	<u>% in Product</u>	<u>CAS Number</u>	<u>Formula</u>	<u>EINECS Number</u>
Magnesium Stearate	100	557-04-0	N/A	N/A

### **Section 3 Hazards identification**

#### Potential Acute Health Effects

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

#### Potential Chronic Health Effects

CARCINOGENIC EFFECTS: Not available

MUTAGENIC EFFECTS: Not available

TERATOGENIC EFFECTS: Not available

DEVELOPMENTAL EFFECTS: Not available

The substance may be toxic to liver, skin.

Repeated or prolonged exposure to the substance can produce target organs damage



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## **Section 4 Emergency and First Aid Procedures**

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available

**Inhalation:** If inhaled more to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

**Serious Inhalation:** Not available

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed call a physician immediately. Loosen tight clothing such as collar, tie, belt or waistband.

**Serious Ingestion:** Not available

## **Section 5 Fire and Hazard Data**

Flammability	May be combustible at high temperature
Auto Ignition	Not available
Flash Points	Not available
Flammable Limits	Not available
Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> )

### **Fire fighting Media & Instructions**

SMALL FIRE	Use dry chemical powder
LARGE FIRE	Use water spray, fog or foam, do not use water jet

## **Section 6 Accidental release measures**

**SMALL SPILL:** Use appropriate tools to put the spilled solid in an appropriate container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**LARGE SPILL:** Use shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check the TLV on the msds and with local authorities



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## **Section 7 Storage & Handling**

**Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## **Section 8 Control Methods/Personal Protection**

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to 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.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Glove.

**Personal Protection in Case of Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## **Section 9 Physical and Chemical Properties**

Physical state	Fine powder
Colour	White to off white
Odour	Characteristic

## **Section 10 Stability and Reactivity**

Stability	The product is stable
Corrosivity	Non-corrosive in presence of glass
Polymerization	Will not occur

## **Section 11 Toxicological Information**

Route of Entry	Ingestion
LD50	Not available
LC50	Not available
Chronic Effects on Humans	May cause damage to the following organs: liver, skin
Other Effects on Humans	Hazardous in case of ingestion

Slightly hazardous in case of skin contact (irritant), of inhalation.



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## **Section 12 Ecological Information**

Eco-toxicity	No Data Available
BOD5 & COD	Not available
Products of Bio degradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
Toxicity Products Biodegradation	The products of degradation are more toxic

## **Section 13 Disposal Considerations**

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

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

References	Not available
Other Special Considerations	Not available
	COSHH Regulations (1994).
	EH40 Occupational exposure limits.

## **Section 16 Other Information**

This advice is given by Cambridge Commodities Ltd who accept 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.

We confirm that the information above is sourced from the original manufacturers/suppliers Specification

To be used as per local legislation

Version No: 1



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