



Specification

Product Name: Maltodextrin

Product Code: SPEC0042

Description:

Our Maltodextrin is a premium quality product. A fine dry free-flowing powder produced from wheat starch. Easily soluble in liquids both hot and cold. It is one of the most commonly used ingredients in the food industry, where it is mainly used as a low-calorie bulking agent or a flavour carrier. It can be used to thicken liquid solutions and to increase volumes of dry mixes. Use to disperse ingredients or flavours in dry or liquid solutions. Maltodextrin is not sweet so it can also be used as a low-calorie replacement for sugar in savoury ice cream or sorbet. A Non GMO, Maltodextrin which is produced from corn syrup. Maltodextrin complies to the Food Chemical Codex and to the European Pharmacopeia monographs on Maltodextrin.

Specifications

General Characteristics

Formula	(C ₆ H ₁₀ O ₅) _n
Appearance	White powder
Taste	Neutral
Odour	Odourless
Solubility (g / 100ml)	min.98%

Analysis

Identification	Value	Method
Loss on drying (%)	Max.5	Oven Method
Ph	4.0 - 5.5	pH-meter, 50% DS
SO ₂ (ppm)	<10	Titrimetric method
Sulphated Ash (%)	< 0.1	FCC
DE (%)	17.00-20.00	Lane-Eynon
Bulk Density (gr/ltr) for powder	450 – 600	450 – 600

Heavy Metals

Analysis	Unit	Value	Method
Iron	ppm	< 1.0	External lab.*
Copper	ppm	<1.0	External lab.*
Arsenic	ppm	< 0.1	External lab.*

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Lead	ppm	< 0.1	External lab.*
Cadmium	ppm	< 0.1	External lab.*
Mercury	ppm	< 0.1	External lab.*

Microbiology

Analysis	Unit	Value	Method
Total count	n/g	<100	Filtration method
Yeasts	n/g	<50	Filtration method
Moulds	n/g	<50	Filtration method
Coliforms	n/g	negative	External lab.*
E. Coli	n/g	negative	External lab.*
Staphylococcus aureus	n/g	negative	External lab.*
Salmonella	n/25g	negative	External lab.*
Sulfite reducing clostridium	n/g	<10	External lab.*
Enterobacteraceae	n/g	<10	External lab.*
Bacillus cereus	n/g	<10	External lab.*

Mycotoxins

Analysis	Unit	Value	Method
Toplam Aflatoxin	Ppb	< 4	External lab.*
Aflatoxin B1	Ppb	< 1	External lab.*
Ochratoxin A	Ppb	< 3	External lab.*

Ingredients:

Maltodextrin

Dietary Information:

Suitable for Vegans & Vegetarians, Non-GMO.

Nutritional Information:

Based on typical content/100g: Energy: 1615kJ/380kCal, Fat: 0.0g, Carbohydrates: 95g, Protein: 0g, Salt: 0g.

Storage:

Store in dry, cool conditions and not in direct sunlight.

Packaging:

Size	EAN
1kg	5060341114304
2.5kg	5060341114311
10kg	5056191008238

**Shelf Life:**

36 months from production date.

Allergen Declaration

Allergen	Contains (Y/N)
Cereals containing Gluten	N
Crustaceans	N
Eggs	N
Fish	N
Peanuts	N
Soybeans	N
Milk	N
Nuts	N
Celery	N
Mustard	N
Sesame Seeds	N
Sulphur Dioxide and Sulphites (at concentration of more than 10mg/kg or 10mg/L in terms of Sulphur Dioxide)	N
Lupin	N
Molluscs	N

Material Safety Data Sheet**1: Substance/Preparation and Company Identification:**

Product Name: Maltodextrin. Supplier: Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN.
Tel: 0044 (0)1246 906247. E-mail address: <https://specialingredients.co.uk/pages/contact>, Emergency
Telephone Contact: 07701 095864.

Chemical Name: Maltodextrin

2: Hazard Identification:**2.1 – Classification of the product**

Classification according to EC 1272/2008;

<u>Product Name</u>	<u>GHS Classification</u>
Maltodextrin	-

Classification according to EU Directives 67/548/EEC or 1999/45/EC;

<u>Product Name</u>	<u>EU Classification</u>
Maltodextrin	-

2.2 – Labelling

Labelling according to EC 1272/2008;

Hazard pictograms	N/A
Signal word	Not required

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Hazard statements N/A
Precautionary statements N/A

2.3 – Other Hazard

None

3: Composition/Information on Ingredients

Ingredients Name	Identifiers	%	EU Classification	GHS Classification
Maltodextrin	Cas Number: 9050-36-3	100		

4: First Aid Measures:

Eye Contact Flush eyes with water for 15 minutes. If irritation exists, seek medical attention.
Skin Contact Wash with water. If irritation exists, seek medical attention.
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, seek medical attention.
Ingestion No hazard.

5: Firefighting Measures:

Extinguishing agents suitable Water spray, Foam, Carbon Dioxide, dry chemical powder.
Special Fire Fighting Procedures Protective equipment.
Use self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire Explosion Hazards Dust dispersed in air becomes explosive when exposed to ignition source.

6: Accidental Release Measures:

Personal Protection Measures Use appropriate equipment to minimize direct contact with skin or eyes and prevent inhalation of dust.
Environmental Protection Measures Use a shovel to put the material into a convenience waste disposal container.
Methods for Cleaning Up Sweep or shovel spills into appropriate container for disposal. Sweep up with explosion proof vacuum cleaner. Avoid making dust.

7: Handling And Storage:

Handling Avoid contact with eyes, skin and clothing. Avoid breathing dust.
Storage Sealed bags should be stored in-doors under cool, dry conditions. There should be no smoking, welding or open flame in the storage area.

8: Exposure Controls/ Personal Protection:

Eye Protection Safety glasses may be desirable when dumping bags.
Skin Protection Not required.
Respiratory Protection Use appropriate mask when necessary.
Hand and Body Protection Not required.
Work/Hygiene Practice Practice good housekeeping.

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9: Physical and Chemical Properties:**General Information**

Physical State and Appearance	Solid
Molecular Weight	N/A
Colour	White
Odour	Odourless
Boiling Point	N/A
Melting Point	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Solubility in water	N/A

10: Stability and Reactivity:

Stability	Product is stable
Substances to be avoided	Practices which produce dust or disperse finely divided dust in air. Please see standard for the prevention of fire and dust explosions in food processing facilities and other related standards.
Corrosive	Not considered to be corrosive for metals and glass.
Hazardous Decomposition or Byproducts	Nothing unusual
Physical State at 25°C	Solid
Polymerization	Will not occur
St-Class	1
P-Max (bar.g)	7.8
Explosion Indices (K_{St})	155
LEL (g/m^3)	30
MIE (mJ)	10
MIT (°C)	380
LIT (°C)	Does not Ignite (Melts)
Product of Flame	CO ₂ and CO, no toxic gas
Condition to Avoid	Avoid dust formations

11: Toxicological Information:**Potential Acute Health Effects**

Inhalation	Avoid breathing dust. May be harmful if inhaled.
Ingestion	None
Skin and Body Contact	May cause skin irritation
Eye Contact	May cause eye irritation
Acute Toxicity	None

Potential Chronic Health Effects

Carcinogenicity	None
Mutagenicity	None

12: Ecological Considerations:

Toxicity	Not toxic
Persistence and Degradability	N/A
Bioaccumulative potential	N/A
Mobility in soil	N/A
Results of PBT and vPvB assessment	N/A
Other adverse effects	N/A

13: Instruction of Disposal:

Product:
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Consultation with a permitted waste disposal site should be accomplished. Always contact a permitted waste disposal to assure compliance with all current local, State and Federal Regulations.

Packaging

Packaging must be disposed of in compliance with country specific regulations

14: Transport Information:

Transport Information Not classified as dangerous in the meaning of transport regulation.

15: Regulatory Information:

EU regulations hazard Symbol	None
Risk Phrases	None
Safety Phrases	None

16: Other Information:

Recommended Uses: Food Application

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