



Specification

Product Name: MoisturLok Powder

Product Code: SPEC0267

Description:

Our MoisturLok Powder is a premium quality refined powder. It is a carbohydrate-based powder made from rice syrup, grape juice concentrate and vegetable fibre. It contains no artificial colours, flavours or preservatives. When used with bread doughs it will extend the shelf life, quality, texture, taste and mouthfeel. It will also maintain a high moisture content in the finished product. Moisturlok powder can also be used in bakery products such as cakes and muffins, nutrition bars and many more, it will significantly increase the shelf life, increase the batch yield and reduce baking loss. Its ability to control water activity is due to its unique sugar composition and this helps to increase moisture content but will not increase water activity. A must have product for anyone who enjoys baking.

Specifications:

Product Attributes	
Parameter	Target Specification
Appearance	Cream to gold free flowing powder
Colour	Cream to gold
Flavour	Sweet powdery taste
Odour	Odourless
Texture	Free flowing powder / gritty
Water Activity	Not routinely tested but typically 0.249 @ 25.3°C
Particle Size	>90% to be passed through US #140 Sieve (<1.05mm)
pH	4.2 - 6.2
Moisture	≤7%
Brix	-

Analysis & Quality Checks			
Test	Target	Method	Frequency
Organoleptic	See above	Sensory	Each Lot
Moisture	≤7%	AOAC 925.23	Each Lot
Ash	≤10%	Muffle Furnace	Each Lot
pH	4.2-6.2	pH Meter	Each Lot

Microbiological Test					
Test Organism	Target	Maximum	Unit	Method	Frequency
Total Plate Count	<50,000	50,000	cfu/g	AOAC 990.12	Each Lot
Yeast	<100	100	cfu/g	AOAC 997.02	Each Lot

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Mould	<100	100	cfu/g	AOAC 997.02	Each Lot
Coliforms	<100	100	cfu/g	AOAC 991.14	Each Lot
E. coli	<10	10	cfu/g	AOAC 991.14	Each Lot
E. coli O157:H7	Not Detected	Not Detected	cfu/25g	AOAC RI 060903	Each Lot
Salmonella	Not Detected	Not Detected	cfu/375g	AOAC 2013.01	Each Lot

Ingredients:

Rice Syrup, Grape Juice Concentrate, Potato Fibre, Psyllium Husk Fibre

Dietary Information:

Suitable for Vegans, Ovo-lacto Vegetarians, Non-GMO, Gluten Free, Non-Irradiated.

Nutritional Information:

Based on typical content/100g: Energy: 1185kj/283kcal, Fat: 0.12g, Of which saturates: 0.02g, Carbohydrates: 51.5g, Of which sugars: 29.6g, Protein: 1.02g, Salt: 0.28g, Fibre: 36.0g.

Storage:

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

Packaging:

Size	EAN
100g	5056191018602
250g	5056191018619
500g	5056191018626
5kg	5056191018633
10kg	5056191018640

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: MoisturLok Powder

Application: Food Product

Suppliers Details:

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.

Additional Remarks: The product listed above is not classified as hazardous according to guideline Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, with subsequent changes.

The product is classified as a food or feeding stuffs as defined in Regulation (EC) No 178/2002 and is produced according to appropriate food regulations and is not a hazardous chemical.

Therefore the product is not subject to the obligation of preparation of a safety data sheet

2: Hazard Identification:

Hazards for Humans: Product is not classified as hazardous. Not considered hazardous for inhalation and ingestion at normal use.

Hazards for Environment: Product is not classified as hazardous.

Chronic / Acute Effects: None known. Routes of entry include skin or eye contact, inhalation or ingestion.

Skin: No known effects of this product resulting from skin contact.

Eyes: May cause irritation on direct contact. Inflammation of the eye is characterized by redness, watering, and itching.

Inhalation: Exposure by inhalation may cause respiratory irritation.

Ingestion: Large quantities may cause nausea, upset stomach, diarrhoea.

Hazardous Combustion: Carbon monoxide and carbon dioxide on combustion

Explosion Data: Powdered material may form an explosive dust-air mixture

3: Composition and Information on Ingredients:

Composition: MoisturLOK® Powder (Rice Syrup, Grape Juice Concentrate, Potato Fibre, Psyllium Husk Fibre)

Additional Remarks: The product contains no hazardous substances.

4: First Aid Measures:

4.1 – Description of first aid measures

Eye Contact: Check for and remove any contact lenses. Rinse thoroughly with running water. Get medical attention if irritation develops.

Skin Contact: Wash off with soap and water. Get medical attention if irritation develops.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms develop or persist.

Ingestion: This product should not show adverse reactions after eating. Ingestion of large quantities

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may cause gastro-intestinal discomfort. In cases of persistent or severe symptoms seek medical attention.

Additional remarks: –

5: Firefighting Measures:

Suitable extinguishing media: May be flammable upon prolonged heating. Apply measures appropriate to surrounding fire.

Non suitable extinguishing media: –

Additional remarks: Firefighting Procedures: Wear self-contained breathing apparatus and protective clothing. Avoid any method which will create dust clouds. Use water fog or water spray.

6: Accidental Release Measures:

Precaution Needed to Protect Environment: Non required. Biodegradable product.

Clean up method: Dry Product: Vacuum or sweep material and place in disposal container. Avoid procedures which cause a dust cloud to be formed. Moist Product: Use warm water to clean spills.

Additional remarks: –

7: Handling And Storage:

Storage: This is an ambient stable product and should be stored and handled accordingly. Store in a properly sealed container on a pallet in a dry space (RH < 40) at ambient temperatures (< 85°F/ 29°C).

Handling: Consistent with the fundamental principles of Health and Safety.

Additional remarks: –

8: Exposure Control and Personal Protection:

Control of exposure in workplace: Follow good industrial hygiene practice and safety guidelines, use only as directed.

Skin Protection: No special measures required. Gloves may be required for sensitive individuals.

Eye Protection: Dust resistant safety goggles may be required for particularly dusty product.

Respiratory Protection: Dust mask may be required for particularly dusty product.

Additional remarks: –

9: Physical and Chemical Properties:

Form: Powder

Colour: Cream to gold

Odour: Odourless.

Flash point: No Data

Boiling Temperature: No Data

Gravity: No Data

Solubility in Water: Soluble

pH: 4.2 – 6.2

Moisture: ≤7%

Additional remarks: –

10: Stability and Reactivity:

Stability: Chemical Stability: Very stable. The product remains stable throughout the shelf life as

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indicated on each selling unit.

Reactivity: –

Incompatibility: Incompatibility (materials to avoid): Strong Oxidizing Agents.

Hazardous Decomposition Products: Hazardous Polymerization: None

Additional Remarks: Powdered material may form a dust-air mixture. Minimize dust generation and accumulation during use.

11: Toxicological Information:

Toxicity of the Product: Not classified as toxic

Contact with Skin: Does not generally cause adverse reactions but could cause hypersensitivity in some individuals.

Additional remarks: –

12: Ecological Considerations:

General Information: Biodegradable product and non-toxic.

Additional remarks: –

13: Disposal considerations:

Waste Disposal Method: Place in a disposal container. Dispose of in accordance with local and state regulatory requirements.

Packaging Waste Disposal Method: Empty packaging can be eliminated or recycled depending on local legislation.

Additional remarks: –

14: Transport Information:

General Information: This product is not classified as dangerous. Transport conditions are consistent with the storage conditions (see Section 7).

15: Regulatory Information:

General Information: The product listed above is produced according to appropriate food regulations and is not a hazardous chemical. This information is supplied as a convenience for customers and should be made available to anyone who may come into contact with the product.

16: Other Information:

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. We do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.