



Specification

Product Name: Methocel

Product Code: SPEC0044

Description:

Mythical (methylcellulose) is purified cellulose. To be used in food applications where a thickener, stabiliser, or dispersant is required. Methocel dissolves in cold water and gels in hot water. It has the unique ability to form a gel when heated above 45°C which will then return to a liquid state upon cooling (approx. 15°C). Perfect for creating hot gels which melt in the mouth. It can also be used to make clear, solid and flexible films which are produced by allowing a Methocel solution to dry out at a low temperature, this prevents the solution from gelling. Other applications include emulsification and suspension. Suitable for Vegans & Vegetarians, Non-GMO, Gluten Free.

Chemical and Physical Properties:

Physical Form	Powder
Assay	90-99%
Sulphated Ash	1.5% Max
Methoxyl	25-33%
Moisture as packed	5.00% Max
pH	5.0-8.0
2% viscosity (LVT, 20°C)	3000-5600 mPas
Typical 2% viscosity (RVT, 20°C)	4000 mPas
Gelation Temperature	50-55°C
Particle size passing 100 mesh	98%

Chemical analysis:

Heavy metals (as Pb)	20ppm Max
Lead	2ppm Max
Arsenic	3ppm Max
Cadmium	1ppm Max
Mercury	1ppm Max

Microbiological:

Total plate count	5000 cfu/g Max
Yeasts & Moulds	500 cfu/g Max

www.specialingredients.co.uk



Coliforms	100 cfu/g Max
E.coli	Absent /g
Salmonella	Absent /25g

Ingredients:

Methylcellulose (E461).

Dietary Information:

Suitable for Vegans & Vegetarians, Non-GMO, Gluten Free.

Nutritional Information:

Based on typical content/ 100g: Energy: 1574kj/376kcal, Fat: 0g, Carbohydrates: 0g, Protein: 0g, Salt: 0.135g, Fibre: 94g.

Storage:

Store in dry, cool conditions and not in direct sunlight. Use within 6 months of opening.

Packaging:

50g, 100g, 250g, 500g, 5kg, 10kg.

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: Methocel (MC) **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.

2: Hazard Identification:

Classification of the substance according to Regulation (EC) No 1272/2008: Not classified, Classification according to the Directive 67/548/EEC or Directive 1999/45/EC: Not classified, Label elements: None, Signal words: None.

3: Composition And Information on Ingredients:

Chemical Name	CAS NO	EINECS	Classification	Exposure
MC	9004-67-5	---	---	---

4: First Aid Measures:

Eye contact: May cause mild mechanical irritation, Irrigate thoroughly with water for at least 10 minutes. Obtain medical advice if irritation persists, Skin contact: Powder may dry the skin, remove contaminated clothing and wash affected area, if irritation persists seek medical attention, Inhalation: remove from exposure to fresh air, consult a physician as necessary, if breathing is irregular or heart stopped, start resuscitation.

5: Firefighting Measures:

Suitable extinguishers: Dry powder, foam or carbon dioxide, do not use water, Special measures for firefighting: Avoid over inhalation of vapours, wear gloves and goggles, Particular Fire/Explosion hazards: Dust may form an explosive mixture with the air, Combustion products: Carbon monoxide, carbon dioxide, steam and smoke.

6: Accidental Release Measures:

Limit product dispersion, avoid flames and other ignition sources, Accidental spillages should be swept or vacuumed up, Avoid spilt material coming into contact with water as MC will form a gum solution creating a potentially hazardous slippery floor area.

7: Handling and Storage:

Handling: Handle in a well-ventilated, The fine particles should be considered an inert nuisance dust with a threshold limit of 10mg/m₃ for total dust 4mg/m₃ for the respirable portion, Storage: Store in cool, dry area away from heat sources and protected from extreme temperatures, maintain adequate air circulation in working area. Keep away from sparks and

www.specialingredients.co.uk

other sources of ignition.

8: Exposure Controls/Personal Protection:

Ventilation: Local mechanical exhaust ventilation minimizing dust emission, Respiratory protection: Use dust respirator in dusty areas, impervious gloves and goggles.

9: Physical and Chemical Properties:

Appearance	White/Cream powder or granules
Odour	Neutral
Ignition temperature	360°C
pH value (2% water solution)	5.5-8.0
Solubility in water	Completely soluble in water
Solubility in most polar solvents	Insoluble
Bulk density	200-600 kg/m ₃
Explosion limit	15g/m ₃

10: Stability and Reactivity:

Stability: Food additives are considered to be stable during their stated shelf life, **Reactivity:** No dangerous decomposition products.

11: Toxicology Information:

General toxicological information: Harmless, Non-toxic, Non-mutagenic, non-carcinogenic product, Oral: This product is not metabolised in the body, No adverse effects known as a result of ingestion, Eyes: This product should be regarded as an eye irritant, Inhalation: No effects known.

12: Ecological Information:

Biological Information: Inherently biodegradable, BOD (5 day) Value 0-100mg O₂/g, WGK classification.

13: Disposal Considerations:

Substance and Container: Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

14: Transport Information:

Not applicable as material is classified as non-hazardous.

15: Regulatory Information:

Not applicable as material is classified as non-hazardous.

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.