



Specification

Product Name: Pectin Powder

Product Code: SPEC0045

Description:

Our high ester pectin is a premium-grade powder extracted from selected high-quality fruit. It is ideal for making excellent tasting jams, marmalades, chutneys and fruit jellies (Pâté de fruit). Pectin jellies are also heat resistant so they can be served on hot dishes. Specially developed for jams and marmalades, it will provide a high gel strength, excellent flavour release and a slow setting. Suitable for Vegans, Vegetarians & Ovo- Lacto Vegetarians, Non-GMO, Gluten-free, Non-Irradiated.

Properties:

Appearance:	White to beige colour powder
Solubility	Dispersible in cold water, and totally soluble over 70 C. insoluble in vegetable oils, minerals and organic solvents.
Gelling	This product sets in the presence of acid and high soluble solids.

Characteristics:

Degree of Esterification	de (%)	62,00	65,00
US-SAG	SAG	145,00	155,00
Pectin pH	pH	3,00	3,60
Particle size	90% gum below 250 microns (60 US mesh, DIN 24)		
As (ppm)	< 3,00		
Pb (ppm)	< 2,00		
Hg (ppm)	< 1,00		
Cd (ppm)	< 1,00		
Total plate count (cfu/g)	< 5.000,00		
Mould and yeast (cfu/g)	< 300,00		
E.coli (Detection in 5g)	Not detected		
Salmonella (detection in 25g)	Not detected		
Loss on drying	< 12,00		

Ingredients:

Pectin Powder (E440)

Dietary Information:

Suitable for Vegans, Vegetarians & Ovo- Lacto Vegetarians, Non-GMO, Gluten-free, Non-Irradiated

Nutritional Information:

Based on typical content/100g: Energy: 1032kj/249.5kCal, Fat: 0.1g, Of which saturates: 0g, Carbohydrate: 32.5g, Of which sugars: 32.5g, Protein: 1.5g, Salt: 0g, Fibre: 56.4g.

Shelf Life:

36 months from production date

Packaging:

50g, 100g, 250g, 500g, 1kg, 5kg, 10kg Containers

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: Identification of the substance/mixer and of the company/undertaking

1.1 - Product identifier:

Commercial name: Pectin Powder, CAS number: 9000-69-5, EINECS number: 232-553-0

1.2 - Relevant identified uses of the substance or mixture and uses advised against:

Recommended use: Food applications, Uses advised against different uses that recommended.

1.3 - Details of the supplier of the safety data sheet:

Special Ingredients Ltd, 4 Foxwood View, Chesterfield, S41 9RN. Tel: 0044 (0)1246 906247

1.4 - Emergency telephone contact:

Emergency Telephone Contact: 07701 095864.

<https://specialingredients.co.uk/pages/contact>

2: Hazards information:

2.1 – Classification of the substance or mixture:

The product is not classified as dangerous according to Regulation (EU) No 1272/0008

2.2 – Label elements:

The product is not classified as dangerous according to Regulation (EU) No 1272/0008, It contains Pectin.

2.3 – Other Hazards:

In normal conditions of use, the product does not have any negative effect for health and environment, there is not available information regarding products PBT and mPmB.

3: Composition/ Information on Ingredients

3.1– Substances:

CAS number: 9000-69-5, Denomination as per num.-CAS Pectin, EINECS number 232-553-0, Mixtures, Pectin based mixtures with other hydrocolloids and other additives (sugars and salts), for detailed information, check product technical data sheet.

4: First Aid Measures:

4.1 – Description of first aid measures:

After inhalation: Supply fresh air, After skin contact: Wash with water and soap, After eye contact: Wash with water, After intake: Consult the doctor.

4.2 – Most important symptoms and effects, both acute and delayed:

There are not known acute or delayed effects from product exposure.

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4.3 – Indication of any immediate medical attention and special treatment needed:

in cases of doubt, or when symptoms persist, seek medical attention.

5: Firefighting Measures**5.1 – Extinguishing media:**

Extinguishing powder or CO₂. In case of severe fires also alcohol resistant foam and water spray. Do not use for direct water jet extinguisher.

5.2 – Special hazards arising from the substance or mixture:

When exposed to open flame or extremely high heat, pectin will char and eventually disintegrate with emission of smoke, leaving only residual ash.

5.3 – Advice for firefighters:

Depending on the magnitude of the fire, it may be necessary to wear protective clothing, self-contained breathing apparatus, gloves, goggles or face masks and boots.

6: Accidental Release Measures**6.1 – personal precautions, protective equipment and emergency procedures:**

Exposure control and PPE measurements.

6.2 – Environmental precautions:

Product is not classified as dangerous for the environment, avoid as much as possible any spillage.

6.3 – Methods and Material for containment and cleaning up:

Eliminate with an absorbent Material.

6.4 – Reference to other sections:

Exposition Control and PPE, please check section 8, waste Disposal, check section 13.

7: Handling and Storage**7.1 – Precautions for safe handling:**

Smoking, eating and drinking is forbidden in the application area. Comply with Legislation on food safety and health and safety at work.

7.2 – Conditions for safe storage, including any incompatibilities:

Product does not require special storage conditions. Store cool and dry in unopened bags.

7.3 – Specific end use(s)

Not available.

8: Exposure Controls/Personal Protection

8.1 – Control parameters:

It does not contain substances with occupational exposure limit values.

8.2 – Exposure Controls:

Good industrial hygiene practices, person protective equipment: working clothing and footwear, self-filtering particle respirator. Gloves are not required.

9: Physical and Chemical Properties**9.1 – Information on basic physical and chemical properties**

Shape: Powder, Colour: Beige, Odour: Inodorous, State modification: Value/sector unit modified, Melting point: Undetermined, Boiling point: Undetermined, Ignition point: Undetermined, Blasting Temperature: Undetermined, Explosion Danger: Undetermined, Steam Pressure: Undetermined, Density: Undetermined, Apparent Density: 700kg/m₃, pH value: 2.6 – 6.

9.1 – Other Information:

Not Available.

10: Stability and Reactivity**10.1 – Reactivity:**

High temperatures at low pH.

10.2 – Chemical Stability:

Stable under recommended storage conditions.

10.3 – Possibility of hazardous reactions:

Undetermined.

10.4 – Conditions to avoid:

High temperatures at low pH.

10.5 – incompatible materials:

Undetermined.

10.6 – Hazardous decomposition products:

Undetermined.

11: Toxicological Information**11.1 – information on toxicological effects:**

Acute toxicity: Non conclusive data for classification, skin corrosion or irritation: Non-conclusive data for classification, Serious eye damage or eye irritation: Non-conclusive data for classification, Respiratory or skin sensitization: Non conclusive data for classification, Germ cell mutagenicity: Non-conclusive data for classification, Carcinogenicity: Non-conclusive data for classification, toxicity to reproduction: Non-conclusive data for classification, Specific

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target organ toxicity (STOT) – single exposure: Non-conclusive data for classification, Specific target organ toxicity (STOT) – Repeated exposure: No available data for classification, Aspiration hazard: Non-conclusive data for classification.

12: Ecological Information

12.1 – Toxicity:

Pectin is natural source (citrus peel) isolate, and should not have any negative effect over the environment.

12.2 – Persistence and degradability:

Not available information on the persistence and degradability of the product.

12.3 – bioaccumulative potential:

Bioaccumulation is improbable.

12.4 – Mobility in soil:

Not available information on mobility in soil.

12.5 – Results of PBT and vPvB assessment:

Not available information on PBT and vPvB assessment for the product.

12.6 – Other adverse effects:

Not available information on other adverse effects for environment.

13: Disposal Considerations:

13.1 – Waste treatment methods:

Waste and empty containers must be handled and disposed according to current legislation, Follow the provisions of Directive 2008/98/EC with regard to waste management.

14: Transport Information:

It is not a dangerous material. In case of an accident and product spillage, act according to section 6

14.1 – UN number:

Not Applicable.

14.2 UN proper Shipping name:

ADR: Not applicable, IMDG: Not applicable, ICAO: Not applicable.

14.3 – Transport hazard Class(es):

Not applicable.

14.4 – Packing group:

Not applicable.

14.5 – Environmental hazards:

Not applicable.

14.6 – Special precautions for user:

Not applicable.

14.7 – Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Not applicable.

15: Regulatory Information

15.1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture: This material safety data sheet complies with the requirements of Regulation (CE) N° 1907/2006.

15.2 – Chemical safety assessment:

A chemical safety assessment of the product has not been carried out.

16: Other Information

The above data are based per our present knowledge but they do not constitute any guarantee of qualities of the product and do not generate any contractual juridical relationship.

The information contained herein is to the best of our knowledge, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability whatsoever, however arising, which results directly or indirectly from the use of the product.