



Specification

Product Name: Easy Binder

Product Code: SPEC0023

Description:

Easy Binder is a natural, Vegan friendly binding/gelling agent. Ideal for use in a wide variety of sweet and savoury applications including Vegan Burgers, structured fruit, vegetable terrines, meat and fish formations. Easy Binder will give structure to many different products and will bind/gel anything together including meats, fish, vegetables, fruit, cheese, or a mixture of various products. Easy to use and cold soluble. After using Easy Binder the finished product can be sliced, frozen and cooked without losing its shape or texture. Easy Binder is a natural allergen-free product.

Specifications:

PARAMETERS	UNIT	SPECIFICATIONS
Appearance		White-cream, fine powder
pH (Measured in a 1% aqueous solution)		7-11
Loss on drying	%	< 15
Yeasts and moulds	cfu/g	< 5 x 10 ²
Total aerobic bacteria	cfu/g	< 5 x 10 ³
<i>E. coli</i>	/5g	Absence
<i>Salmonella</i>	/10	Absence
Arsenic (As)	ppm	< 3
Lead (pb)	ppm	< 5
Cadmium (Cd)	ppm	< 1
Mercury	ppm	< 1
Selenium	ppm	< 30

Ingredients:

Sodium Alginate (E401), Calcium Sulphate (E516), Pentasodium Triphosphate (E451i), Tetrasodium Diphosphate (E450iii)

Dietary Information:

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

Nutritional Information:

Based on typical content/100g: Energy: 523kj/125kcal, Fat: 0g, Of which saturates: 0g, Carbohydrates: 32g, Of which sugars: 3g, Protein: 0g, Sodium: 26.5g.

Storage:

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

www.specialingredients.co.uk

Packaging:

Size	EAN
100g	5056191003202
250g	5056191003219
500g	5056191003226
5kg	5056191008627
10kg	5056191008634

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:

1.1 – Product Identifier

Product Name: Easy Binder

Product Code: SPEC0023

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

Mixture of additives and other ingredients: texturizer.

Uses advised against

Uses other than those recommended.

1.3 – 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: 07387 330318.

2: Hazard Identification:

2.1 – Classification of the substance or mixture

In accordance with Regulation (EC) No 1272/2008:

Eye Irrit. 2: Causes serious eye irritation.

Skin Irrit. 2: Causes skin irritation.

2.2 – Label elements

Labelling in accordance with Regulation (EC) No 1272/2008

Pictograms:



Signal Word: **Warning**

Hazard statements:

H315: Causes skin irritation.

H318: Causes serious eye damage.

Precautionary statements:

P264: Wash thoroughly with water and soap after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (visit the doctor with this product Safety Data Sheet).

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

2.3 – Other hazards

www.specialingredients.co.uk



The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

3: Composition and Information on Ingredients:

3.1 – Substances

Not applicable

3.2 – Mixtures

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*) Classification – Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Cas No: 7778-18-9 EC No: 231-900-3 Registration No: 01-2119444918-26-XXXX	[2] calcium sulfate	25 - 50 %	-	-
CAS No: 7722-88-5 EC No: 231-767-1 Registration No: 01-2119489794-17-XXXX	[2] Tetrasodium pyrophosphate	10 - 20 %	Eye Irrit. 2, H319 - STOT SE 3, H335 - Skin Irrit. 2, H315	-

(*)The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[2] Substance with a national workplace exposure limit (see section 8.1).

4: First Aid Measures:

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 – Description of first aid measures

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

www.specialingredients.co.uk

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

5: Firefighting Measures:

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 – Extinguishing media**Suitable extinguishing media:**

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 – Special hazards arising from the substance or mixture**Special risks.**

Exposure to combustion or decomposition products can be harmful to your health.

5.3 – Advice for firefighters

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

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

For exposure control and individual protection measures, see section 8.

6.2 – Environmental precautions

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 – Methods and material for containment and cleaning up

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

**6.4 – Reference to other sections**

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

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

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 – Conditions for safe storage, including any incompatibilities

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35 °C, in a dry and well ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 – Specific end use(s)

Not available.

8: Exposure Controls/ Personal Protection:**8.1 – Control parameters**

Work exposure limit for:

Name	CAS No:	Country	Limit Value	ppm	mg/m ³
Calcium sulfate	7778-18-9	Éire [1]	Eight hours		10
			Short term		
		United States [2] (Cal/OSHA)	Eight hours		10 (Total dust) 5 (Respirable fraction)
			Short term		
		United States [3] (NIOSH)	Eight hours		10 (Total dust) 5 (Respirable fraction)
			Short term		
		United States [4] (OSHA)	Eight hours		15 (Total dust) 5 (Respirable fraction)
			Short term		
Tetrasodium pyrophosphate	7722-88-5	United Kingdom [5]	Eight hours		5
			Short term		
		Éire [1]	Eight hours		5
			Short term		

[1] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[2] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

www.specialingredients.co.uk



[3] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[4] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[5] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

8.2 – Exposure controls

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration	100%
Uses	Mixture of additives and other ingredients: texturizer
Breathing protection:	
If the recommended technical measures are observed, no individual protection equipment is necessary.	
Hand protection	
If the product is handled correctly, no individual protection equipment is necessary	
Eye protection	
PPE:	Protective goggles against particle impacts.
Characteristics:	«CE» marking, category II. Eye protector against dust and smoke.
CEN standards:	EN 165, EN 166, EN 167, EN 168
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.
Skin protection	
PPE:	Work footwear.
Characteristics:	«CE» marking, category II.
CEN standards:	EN ISO 13287, EN 20347
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident



9: Physical and Chemical Properties:

9.1 – Information on basic physical and chemical properties

Physical state: Solid - Dust

Colour: Not applicable/Not available due to the nature/properties of the product

Odour: Not applicable/Not available due to the nature/properties of the product

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: Not applicable/Not available due to the nature/properties of the product

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the

www.specialingredients.co.uk

nature/properties of the product

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: Not applicable/Not available due to the nature/properties of the product

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: Not applicable/Not available due to the nature/properties of the product

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: Not applicable/Not available due to the nature/properties of the product

Hydrosolubility: Not applicable/Not available due to the nature/properties of the product

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product

Vapour pressure: Not applicable/Not available due to the nature/properties of the product

Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 2,798 (Estimation based on the indication of the Regulation (CE) N°1272/2008.)

Relative vapour density: Not applicable/Not available due to the nature/properties of the product

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 – Other information

Viscosity: Not applicable/Not available due to the nature/properties of the product

Explosive properties: Not applicable/Not available due to the nature/properties of the product

Oxidizing properties: Not applicable/Not available due to the nature/properties of the product

Dropping point: Not applicable/Not available due to the nature/properties of the product

Blink: Not applicable/Not available due to the nature/properties of the product

10: Stability and Reactivity:

10.1 – Reactivity

The product does not present hazards by their reactivity.

10.2 – Chemical stability

Stable under the recommended handling and storage conditions (see section 7).

10.3 – Possibility of hazardous reactions

The product does not present possibility of hazardous reactions.

10.4 – Conditions to avoid

Avoid any improper handling.

10.5 – Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 – Hazardous decomposition products

No decomposition if used for the intended uses.

11: Toxicological Information:

IRRITANT MIXTURE. Splashes in the eyes can cause irritation.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause



irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 – Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

11.2: Information on other hazards

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

12: Ecological Considerations:

12.1 – Toxicity

No information is available regarding the ecotoxicity of the substances present.

12.2 – Persistence and degradability

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

12.3 – Bioaccumulative potential.

No information is available regarding the bioaccumulation of the substances present.

12.4 – Mobility in soil

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 – Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6: Endocrine disrupting properties

This product doesn't contain components with environmental endocrine disrupting properties.

12.7: Other adverse effects

No information is available about other adverse effects for the environment.

13: Disposal considerations:**13.1 – Waste treatment methods**

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

14: Transport Information:

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 – UN number

Transportation is not dangerous.

14.2 – UN Proper Shipping Name

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 – Transport hazard class(es)

Transportation is not dangerous.

14.4 – Packing group

Transportation is not dangerous.

14.5 – Environmental hazards

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 – Special precautions for user

Transportation is not dangerous.

14.7 – Maritime transport in bulk according to IMO instruments

www.specialingredients.co.uk

Transportation is not dangerous.

15: Regulatory Information:

15.1 – Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 – Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16: Other Information:

Complete text of the H phrases that appear in section 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Classification codes:

Eye Irrit. 2: Eye irritation, Category 2

STOT SE 3: Specific target organ toxicity following a single exposure, Category 3

Skin Irrit. 2: Skin irritant, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

1272/2008 [CLP]:

Physical hazards On basis of test data

Health hazards Calculation method

Environmental hazards Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

CEN: European Committee for Standardization.

PPE: Personal protection equipment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of

www.specialingredients.co.uk

18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

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.