



## SAFETY DATA SHEET SOY PROTEIN ISOLATED

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|                          |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name             | SOY PROTEIN ISOLATED                                                                                                                                                                                                                                                                                                                                                               |
| Product number           | 22249                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms; trade names    | ISOPRO 810B, ISOPRO 516B, ISOPRO 618B, DEFATTED SOYA FLOUR, ISOPRO 510B, SOY PROTEIN ISOLATE 950F, SOYA PROTEIN ISOLATE 510A, SOY PROTEIN ISOLATE 618B, SOY PROTEIN ISOLATE F20, SOY PROTEIN ISOLATE 810 A, SOYPRO 950F, SOY PROTEIN ISOLATE 516B SG, SOY PROTEIN ISOLATE 950IJ CW, SOFARINE DEFATTED SOYA FLOUR, EXELSOY 995HI SOY PROTEIN ISOLATE, SOY PROTEIN ISOLATE 90% HI995 |
| REACH registration notes | Exempt -Food / Pharma. application exempt by Article 2(5)                                                                                                                                                                                                                                                                                                                          |

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

|                 |                      |
|-----------------|----------------------|
| Identified uses | Food / Feed additive |
|-----------------|----------------------|

#### 1.3. Details of the supplier of the safety data sheet

|          |                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Univar Solutions UK Ltd<br>Aquarius House<br>6 Mid Point Business Park<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>SDS.EMEA@univarsolutions.com |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 1.4. Emergency telephone number

|                     |                                |
|---------------------|--------------------------------|
| Emergency telephone | SGS - +32 (0)3 575 55 55 (24h) |
| Sds No.             | 22249                          |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

|                       |                |
|-----------------------|----------------|
| Physical hazards      | Not Classified |
| Health hazards        | Not Classified |
| Environmental hazards | Not Classified |

#### 2.2. Label elements

|                   |                   |
|-------------------|-------------------|
| Hazard statements | NC Not Classified |
|-------------------|-------------------|

#### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| Product name             | SOY PROTEIN ISOLATED                                            |
| REACH registration notes | Exempt -Food / Pharma. application exempt by Article 2(5)       |
| Composition comments     | The data shown are in accordance with the latest EC Directives. |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|              |                                                                                                                                                                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion    | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Give plenty of water to drink. Get medical attention if any discomfort continues.                                                        |
| Skin contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.                                                  |
| Eye contact  | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.                                     |

#### 4.2. Most important symptoms and effects, both acute and delayed

|             |                                     |
|-------------|-------------------------------------|
| Eye contact | May cause temporary eye irritation. |
|-------------|-------------------------------------|

#### 4.3. Indication of any immediate medical attention and special treatment needed

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Notes for the doctor | No specific recommendations. If in doubt, get medical attention promptly. |
|----------------------|---------------------------------------------------------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                                        |
|--------------------------------|------------------------------------------------------------------------|
| Suitable extinguishing media   | Use fire-extinguishing media suitable for the surrounding fire.        |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

#### 5.2. Special hazards arising from the substance or mixture

|                               |                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Specific hazards              | Oxides of the following substances: Carbon.                                                                        |
| Hazardous combustion products | Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |

#### 5.3. Advice for firefighters

|                                               |                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Special protective equipment for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Personal precautions | Follow precautions for safe handling described in this safety data sheet. |
|----------------------|---------------------------------------------------------------------------|

#### 6.2. Environmental precautions

|                           |                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental precautions | Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

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### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid handling which leads to dust formation. Take precautionary measures against static discharges.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Earth container and transfer equipment to eliminate sparks from static electricity. Keep away from heat, sparks and open flame.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

#### Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

#### Respiratory protection

No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. EN 136/140/141/145/143/149

## SECTION 9: Physical and chemical properties

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### 9.1. Information on basic physical and chemical properties

|                                              |                           |
|----------------------------------------------|---------------------------|
| Appearance                                   | Solid                     |
| Colour                                       | Cream. Yellowish.         |
| Odour                                        | Characteristic.           |
| Odour threshold                              | No information available. |
| pH                                           | No information available. |
| Melting point                                | No information available. |
| Pour Point                                   | No information available. |
| Freezing Point                               | No information available. |
| Initial boiling point and range              | No information available. |
| Flash point                                  | No information available. |
| Evaporation rate                             | No information available. |
| Evaporation factor                           | No information available. |
| Flammability (solid, gas)                    | No information available. |
| Upper/lower flammability or explosive limits | No information available. |
| Other flammability                           | No information available. |
| Vapour pressure                              | No information available. |
| Vapour density                               | No information available. |
| Relative density                             | No information available. |
| Bulk density                                 | No information available. |
| Solubility(ies)                              | No information available. |
| Partition coefficient                        | No information available. |
| Auto-ignition temperature                    | No information available. |
| Decomposition Temperature                    | No information available. |
| Viscosity                                    | No information available. |
| Explosive properties                         | No information available. |
| Explosive under the influence of a flame     | No information available. |
| Oxidising properties                         | No information available. |

### 9.2. Other information

|                   |                           |
|-------------------|---------------------------|
| Other information | Not determined.           |
| Refractive index  | No information available. |
| Particle size     | No information available. |
| Molecular weight  | No information available. |
| Volatility        | No information available. |

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|                           |                           |
|---------------------------|---------------------------|
| Saturation concentration  | No information available. |
| Critical temperature      | No information available. |
| Volatile organic compound | No information available. |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| Reactivity | There are no known reactivity hazards associated with this product. |
|------------|---------------------------------------------------------------------|

#### 10.2. Chemical stability

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Stability | Stable at normal ambient temperatures and when used as recommended. |
|-----------|---------------------------------------------------------------------|

#### 10.3. Possibility of hazardous reactions

|                                    |                      |
|------------------------------------|----------------------|
| Possibility of hazardous reactions | Will not polymerise. |
|------------------------------------|----------------------|

#### 10.4. Conditions to avoid

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Conditions to avoid | Avoid excessive heat for prolonged periods of time. |
|---------------------|-----------------------------------------------------|

#### 10.5. Incompatible materials

|                    |                 |
|--------------------|-----------------|
| Materials to avoid | Not determined. |
|--------------------|-----------------|

#### 10.6. Hazardous decomposition products

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Hazardous decomposition products | Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Skin corrosion/irritation

|                           |                           |
|---------------------------|---------------------------|
| Skin corrosion/irritation | No information available. |
|---------------------------|---------------------------|

|             |               |
|-------------|---------------|
| Animal data | Data lacking. |
|-------------|---------------|

##### Serious eye damage/irritation

|                               |               |
|-------------------------------|---------------|
| Serious eye damage/irritation | Data lacking. |
|-------------------------------|---------------|

##### Respiratory sensitisation

|                           |               |
|---------------------------|---------------|
| Respiratory sensitisation | Data lacking. |
|---------------------------|---------------|

##### Skin sensitisation

|                    |               |
|--------------------|---------------|
| Skin sensitisation | Data lacking. |
|--------------------|---------------|

##### Germ cell mutagenicity

|                         |               |
|-------------------------|---------------|
| Genotoxicity - in vitro | Data lacking. |
|-------------------------|---------------|

##### Carcinogenicity

|                 |               |
|-----------------|---------------|
| Carcinogenicity | Data lacking. |
|-----------------|---------------|

##### Reproductive toxicity

|                                   |               |
|-----------------------------------|---------------|
| Reproductive toxicity - fertility | Data lacking. |
|-----------------------------------|---------------|

##### Specific target organ toxicity - single exposure

|                        |               |
|------------------------|---------------|
| STOT - single exposure | Data lacking. |
|------------------------|---------------|

##### Specific target organ toxicity - repeated exposure

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**STOT - repeated exposure** Data lacking.

### Aspiration hazard

**Aspiration hazard** Data lacking.

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Particles in the eyes may cause irritation and smarting.

## SECTION 12: Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### 12.4. Mobility in soil

**Mobility** Not determined.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

No information required.

### 14.2. UN proper shipping name

No information required.

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### **14.3. Transport hazard class(es)**

No information required.

### **14.4. Packing group**

No information required.

### **14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

### **14.6. Special precautions for user**

No information required.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to No information required.

Annex II of MARPOL 73/78  
and the IBC Code

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

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### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

25/05/2021

### Version number

1.004

### Supersedes date

20/07/2016

### SDS number

22249

## SOY PROTEIN ISOLATED

**SDS status**

Approved.

**Signature**

Jitendra Panchal

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