

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Organic Inulin Powder

INCI: Helianthus Tuberosus L

PRODUCT USE: Food/Cosmetic/Industrial

ORIGIN: India

SUPPLIER: Botanic Planet Canada Inc.

ADDRESS: 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

CAS Number: 9005-80-5

PHONE/FAX: 905-455-4444 / 905-455-8841

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

GHS Classification

Flammable Liquid - Category 3

GHS Label elements, including

None

precautionary statements

None

Hazard statement(s)

None

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking

3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Organic Inulin 90%	9005-80-5	-	90%

4. First-Aid Measure

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO², Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & ground waters.

CLEAN UP METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR SPILLAGES: non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Appearance: White powder

Odor: Odorless Sensory

Taste: Slight sweet taste

Inulin: ≥90.0g/100g FCC IX

Loss on drying ≤4.5g/100g USP39 < 731 >

Residue on ignition ≤0.2g/100g USP39 < 281 >

pH (10%) 5.0-7.0 USP39 < 791 >

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information

GHS Hazard Statements

Refer to Section 2.

GHS Precautionary Statements

Refer to Section 2.

16. Other Information

None.

Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.

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Email: info@botanicplanet.ca www.botanicplanet.ca

CERTIFICATE OF ANALYSIS

Product Name Organic Inulin
Botanical Name Helianthus Tuberosus L
Plant Used Root
CAS No. 9005-80-5
Lot # BPCOIP052023
Expiry May2027

Analysis Items	Specifications	Results	Methods
Characteritics			
Appearance	White to yellowish powder	Conforms	Visual
Odor	Odorless	Conforms	Sensory
Taste	Slight sweet taste	Conforms	Sensory
Physical & Chemical			
Inulin	≥90.0g/100g	90.57g/100g	FCC IX
Fructose+Glucose+Sucrose	≤10.0g/100g	9.43g/100g	
Loss on drying	≤4.5g/100g	2.64g/100g	USP 39<731>
Residue on ignition	≤0.2g/100g	0.12g/100g	USP 39<281>
pH (10%)	5.0-7.0	5.9	USP 39<791>
As	≤0.2mg/kg	Conforms	USP 39<233>ICP-MS
Pb	≤0.2mg/kg	Conforms	USP 39<233>ICP-MS
Hg	<0.1mg/kg	Conforms	USP 39<233>ICP-MS
Cd	<0.1mg/kg	Conforms	USP 39<233>ICP-MS
Microbiological Control			
Total Plate count	≤1,000CFU/g	25CFU/g	USP 39<61>
Yeasts&Moulds count	≤50CFU/g	10CFU/g	USP 39<61>
E.coli	Negative	Negative	USP 39<62>
Salmonella	Negative	Negative	USP 39<62>
S.aureus	Negative	Negative	USP 39<62>

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