

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



FGAR001 Organic Arrowroot Powder

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name : Organic Arrowroot Powder
Botanical Name : *Maranta arundinaceae*

1.2 Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses : Natural Flavoring Agent, Culinary Spice
Uses advised against : Food Garnishing

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008 : **This product is not classified as hazardous according to the CLP/GHS Directive.**
Classification according to EC Regulation No. 67/548 or No. 1999/45 : **The material is not subject to classification according to EC lists.**
Safety Phrases : N/A
Possible Environmental Effects : N/A

2.2 Label Elements

Classification according to EC Regulation 1272/2008 : **This product does not require classification and labelling as hazardous according to CLP/GHS.**
Hazard designation : **Not applicable**
Signal word : N/A
Safety designation : N/A
Hazardous components for labelling : N/A

2.3 Other Hazards

Other Hazards : **Product is non-hazardous.**

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Section 3. Composition/ Information on Ingredients

3.1 Substance

Purity : 99%
Hazard impurities : None

3.2 Mixture

Chemical Characterization : Single Ingredient Natural Product
Hazardous Ingredients : None
Additional information : Culinary Spice

Section 4. First Aid Measures

4.1 Description of the First Aid Measures

General information : Take affected persons out into the fresh air
After inhalation : Supply fresh air. If required give artificial respiration. Keep patient warm
After skin contact : Wash with soap and rinse with plenty of water
After eye contact : Rinse eyes with water
After ingestion : Rinse mouth with plenty of water

4.2 Most important Symptoms and Effects, both Acute and Delayed

Symptoms : No further information available
Effects : No further information available

4.3 Indication of any Immediate Medical Attention and special Treatment needed

Treatment : Treat symptomatically

Section 5. Fire-Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media : Product itself does not burn
Unsuitable extinguishing media : N/A

5.2 Special Hazards arising from the Substance or Mixture

Special hazards : Do not inhale fumes

5.3 Advice for Firefighters

Protective equipment : No special measures required
Further information

Section 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions : Avoid formation of dust

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6.2 Environmental Precautions

Environmental precautions : No special measures required

6.3 Methods and Material for Containment and Cleaning Up

Methods and material : Take up mechanically and collect in suitable containers for disposal

Section 7. Handling and Storage

7.1 Precautions for Safe Handling

Instructions on safe handling : Avoid formation of dust
Hygienic measures : Keep away from foodstuffs and drinks

7.2 Conditions for Safe Storage, including any Incompatibilities

Storage conditions : Store in tightly sealed containers in a dry and cool room
Requirements for storage areas and containers : No special measures necessary
Information on fire and explosion protection : No special measures necessary
Storage class (VCI) : 11; Combustible solids
Further Information : No information available

7.3 Specific End Use(s)

Further information : Culinary Spice for direct or indirect human consumption

Section 8. Exposure Controls/Personal Protection

8.1 Parameters to be Controlled

Parameters to be controlled (DE) : none known
Parameters to be controlled (EC) : none known
Derived No-Effect Level (DNEL) : No values available
Predicted No-Effect Concentration (PNEC) : No values available

8.2 Exposure Controls

Technical protective measures : Provide adequate ventilation
Personal Protection : Provide adequate ventilation

General protective measures : Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work

Respiratory protection : In case of formation of dust
Hand protection : In case of formation of dust
Protective glove material : Not required

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Eye protection	: Recommended in case of extreme dust formation (EN 166)
Body protection	: Recommended in case of extreme dust formation (EN 166)
Environmental precautions	: Recommended in case of extreme dust formation (EN 166)

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Form	: Fine white powder
Color	: White to off white
Odor	: Pleasant
Odor threshold	: No information available
pH-Value	: Not determined
Melting temperature	: Not determined
Boiling temperature	: Not determined
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Non-combustible
Upper explosion limit	: No information available
Lower explosion limit	: No information available
Vapor pressure	: Not determined
Vapor density	: No information available
Density	: Not availability
Solubility in water	: Insoluble
Coefficient of variation (n-Octanol/Water)	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: Not applicable
Oxidizing properties	: No information available
Bulk density	: Not determined

9.2 Further Information

Solubility in solvents	: No further information
Burning class	: No further information
Particle size	: Fine powder

Section 10. Stability and Reactivity

10.1 Reactivity	: Stable if used according to specifications
10.2 Chemical Stability	: Stable if used according to specifications

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10.3 Possibility of Hazardous Reactions	: None if handled and stored according to specifications
10.4 Conditions to Avoid	
Conditions to avoid	: No information available
Thermal decomposition	: No data available
10.5 Incompatible Materials	: No information available
10.6 Hazardous Decomposition Products	: None known

Section 11. Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity	: No information available
LD50, oral	: No information available
LD50, dermal	: No information available
LC50, inhalation	: No information available
Primary effects	: No information available
Irritant effect on skin	: No information available
Irritant effect on eyes	: No information available
Inhalation	: No information available
Ingestion	: No information available
Sensitization	: No information available
Mutagenicity	: not determined
Reproductive toxicity	: No information available
Cancerogenity	: No data available
Teratogenity	: No information available
Specific target organ toxicity (STOT)	: No negative effects
Additional toxicological information	: Product is not toxic

Section 12. Ecological Information

12.1 Aquatic Toxicity

Fish toxicity	: No toxicity expected
Daphnia toxicity	: No toxicity expected
Bacteria toxicity	: No toxicity expected
Algae toxicity	: No toxicity expected

12.2 Persistency and Degradability : No information available

12.3 Bioaccumulation : No information available

12.4 Moblity : No data available

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12.5 Results of PBT- und vPvP Assessment	: Not applicable
12.6 Other Adverse Effects	
Water hazard class	: Natural product. Environmentally not hazardous
Behaviour in sewage systems	: Natural product. Environmentally not hazardous
Further ecological effects	: Natural product. Environmentally not hazardous
AOX Value	: Natural product. Environmentally not hazardous

Section 13. Disposal Considerations

13.1 Waste Treatment Methods

Product	: Product can be taken to a waste disposal site according to local regulations
European Waste Code (EWC)	: Untaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste
Uncleaned packaging	: Untaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste
Waste Code No	: Untaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste

Section 14. Transport Information

14.1 UN Number

ADR, IMDG, IATA	: No hazardous goods according to ADR (land transportation)
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14.2 UN Proper Shipping Name

ADR/RID	: No hazardous goods according to ADR (land transportation)
MDG/IATA	: No hazardous goods according to IMDG

14.3 Transport Hazard Classes

ADR Class	: Not Applicable
Hazard No.	: Not Applicable
Classification code	: Not Applicable
Tunnel No.	: Not Applicable
IMDG Class (sea)	: Not Applicable
Hazard No.	: Not Applicable
EmS No.	: Not Applicable
IATA Class	: Not Applicable
Hazard No.	: Not Applicable

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14.4 Packaging Group

ADR/RID : Not Applicable
IMDG : Not Applicable
IATA : Not Applicable

14.5 Environmental Hazards : None

14.6 Special Precautions for User : Not classified as a dangerous good under transport regulations

14.7 Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code : Not Applicable

14.8 Further Information :

Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class : 0, not hazardous (self-assessment)
Local regulations on chemical accidents : N/A
Employment restrictions : Not classified as allergen
Restriction and prohibition of application : Not classified as allergen
Technical instructions on air quality : N/A

15.2 Chemical Safety Assessment : A Chemical Safety Assessment is not necessary for this product

15.3 Further Information

Section 16. Regulatory Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties
