

## Arrowroot Starch

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 17-Dec-2021  
Supersedes: 19-Feb-2019

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Arrowroot Starch	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Maranta Arundinacea (arrowroot) root extract	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	Not available	<b>Web:</b>	www.makingcosmetics.com
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not a dangerous substance according to GHS												
<b>GHS Hazard Pictograms:</b>	None												
<b>GHS Hazard Statements:</b>	None												
<b>GHS Precautionary Statements:</b>	None												
<b>Potential Health Hazards:</b>	Eyes: Direct contact with eyes is likely irritating. Inhalation: Not expected to be irritant. Skin: Not expected to be irritant. Ingestion: May cause nausea, vomiting, and diarrhea if ingested in large quantities.												
<b>NFPA Ratings (704):</b>	<table border="0"> <tr> <td style="background-color: #0070C0; color: white;">Health</td> <td style="text-align: center;">0</td> <td>Minimal</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">0</td> <td>Minimal</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center;">0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	0	Minimal	Flammability	0	Minimal	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	0	Minimal											
Flammability	0	Minimal											
Reactivity	0	Minimal											
Specific Hazard	N/A												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Arrowroot Starch	Not Available	100%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Seek medical attention if irritation persists.
<b>Inhalation:</b>	If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
<b>Skin:</b>	Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
<b>Ingestion:</b>	If product is swallowed, call a physician or POISON CONTROL CENTER if you feel unwell. If professional advice is not available, Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (water spray, foam, halon, CO <sub>2</sub> , dry chemical, any "A, B, C" Class) for adjacent fire. Do not use direct water jet.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent run-off

**Flash Points:** water from entering storm drains, bodies of water, or other environmentally sensitive areas.  
**Specific hazards arising from the chemical:** No data available  
 Avoid inhalation of fumes. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Use cautious judgement when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Keep out of sewers, storm drains, surface waters, and soils. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:** Small spills: Collect material via broom or mop. Place in tightly sealed containers for proper disposal. Approach spill areas with caution. If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand, or other suitable non-reactive material.  
 Large spills: Place in leak-proof containers. Seal tightly for proper disposal. Dispose of in accordance with US Federal, State, and local hazardous waste disposal regulations and those of Canada and its provinces, those of Australia, Japan, and EU Member States (see Section 13, Disposal Considerations).

## 7 HANDLING & STORAGE

**Precautions for safe handling:** To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:** Keep away from direct light. Store in cool, dry location, in a sealed container in a well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Arrowroot Starch	Not available		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Safety glasses or goggles are recommended. If necessary, refer to US OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**Inhalation:** None require for properly ventilated areas. If necessary, use only respiratory protection authorized in the US, Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent US State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**Body:** Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to appropriate Standards of Canada, or appropriate standards of the EU, Australian Standards, or relevant Japanese Standards.  
 If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection as described in US OSHA 29 CFR 1910.136.  
 Use body protection appropriate to task being performed. If necessary, refer to US OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**Other:** Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	No odor	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	Not soluble
<b>Melting Point:</b>	No data available	<b>Solubility in Water:</b>	No data available
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product is not reactive.
<b>Chemical Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous Polymerization:</b>	None known.
<b>Conditions to Avoid:</b>	No data available
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	None known.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	No data available
<b>Eyes:</b>	May cause eye irritation with direct contact.
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	No data available
<b>Carcinogenicity:</b>	Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA, and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	This product is not expected to cause skin sensitization.
<b>Irritation:</b>	May cause eye irritation with direct contact.
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	At present, there are no ecotoxicological assessments for this product.
<b>Aquatic Vertebrate:</b>	No data available
<b>Aquatic Invertebrate:</b>	No data available
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

- Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.
- Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

- DOT (Dept. of Transportation, USA):** Not regulated.
- TDG (Transportation of Dangerous Goods, Canada):** No data available
- IMDG (International Maritime Dangerous Goods):** Not regulated.  
The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
- IATA (International Air Transport Association):** Not regulated.
- ICAO (International Civil Aviation Organization):** No data available
- ADR:** Not regulated.
- Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code:** This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15 REGULATORY INFORMATION

- TSCA Inventory Status:** The components of this product are listed on the TSCA Inventory or are exempted from listing.
- DSCL (EEC):** No data available
- WHMIS (Canada):** This product is classified per WHMIS Controlled Product Regulations.
- DSL (Canada):** Components are DSL listed, NDSL listed and/or exempt from listing.
- CEPA (Canada):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by those regulations.
- EU EINECS/ELINCS/NLP:** No data available
- China IECSC:** No data available
- China IECIC (06.30.2014):** No data available
- Australia AICS:** Components of this product are listed on the International Chemical Inventory list.
- Japanese MITI:** Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.
- Japan ENCS:** Listed.
- Philippines PICCS:** Listed.
- Korea KECI:** Listed.
- New Zealand NZIoC:** No data available
- US SARA Reporting Requirements:** The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of SARA: None
- US SARA Threshold Planning Quantity:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000lbs (4,540kg) therefore applies, per 40 CFR 370.20.
- US CERCLA RQ:** None
- California Prop 65:** This product does not contain ingredients on the Proposition 65 Lists.
- European Economic Community Information:** This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for details.

## 16 OTHER INFORMATION

- Revision Date:** 17-Dec-2021
- Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
- Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation,

warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.