MAKINGCOSMETICS SDS (Safety Data Sheet) ISO 22716 2007 CERTIFIED

Tapioca Starch

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

Revision Date: 06-29-2020
Supersedes: 08-25-2015

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Tapioca Starch
Synonyms:
INCI Name: Tapioca starch
CAS Number: 9005-25-8
Formula: $(C_6H_{10}O_5)_n$
Product Form: Powder
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards: Eyes: May be irritant.
Inhalation: Not expected to be irritant.
Skin: May be irritant.
Ingestion: May be irritant.

NFPA Ratings (704):

Health	1	Minimal
Flammability	1	Minimal
Reactivity	0	No Significant Hazard
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Tapioca starch	9005-25-8	88%	
Water	7732-18-5	10%	
Polymethylsilsesquioxane	68554-70-1	2%	

4 FIRST AID MEASURES

Eyes: Flush eyes with water for 15 minutes. Seek medical advice should irritation occur and persist.
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Contact physician immediately if large quantities ingested.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Dry chemical, CO2, water fog, foam.

Special protective equipment & precautions for firefighters: No special procedures required. Fire & Explosion Hazards: Product is a finely divided combustible powder and as such constitutes a potential fire hazard. Keep workplace dust levels below the stipulated exposure limits. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity. Minimum ignition

	temperature of dust cloud- approx. 390°C. Minimum explosive concentration approx. 70 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.06 joules.
Flash Points:	Not available
Specific hazards arising from the chemical:	Not available

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Do not allow product to reach sewage system or any water course, basements or confined areas.
Methods and material for containment and cleaning up:	Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not walk through spilled material. Surface may become slippery after spillage. Use vacuum or broom and remove to disposal container.

7 HANDLING & STORAGE

Precautions for safe handling:	Mechanical handling of the powder on inadequately grounded equipment can result in static electrical discharges. All handling equipment must be properly grounded. Sensitive to static electricity. Use care to minimize dust generation in normal use conditions. Avoid dispersing the powder in the air. Prevent buildup of powder on surfaces.
Conditions for safe storage, incl. any incompatibilities:	Store in a cool, dry area away from heat, sparks or fire.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Tapioca starch	Not determined		

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, goggles or face shield recommended for eye protection.
Inhalation:	Not required but may wear a NOISH approved organic vapor/mist respirator or mask.
Body:	Gloves and lab coat recommended to prevent skin contact.
Other:	Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Powder	**Vapor Pressure:**	Not available
Odor:	Starch odor	**Vapor Density:**	Not available
Taste:	Not available	**Evaporation Rate:**	Not available
Color:	Off-white	**Flammability:**	Not available
Molecular Weight:	Not available	**Upper/lower Explosive Limit:**	Not available
pH (1% sol. in water)	6-8	**Solubility:**	Soluble in water
Boiling Point:	Not available	**Flash Point:**	Not available
Melting Point:	Not available	**Specific Gravity:**	1.5

10 STABILITY AND REACTIVITY

Reactivity:	Product is stable
Chemical Stability:	Product is stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known
Incompatible Materials:	Not available
Hazardous Decomposition Products:	Does not undergo spontaneous decomposition. Typical combustion products include carbon monoxide, carbon dioxide, nitrogen and water.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral toxicity not available
Skin:	Can be an irritant
Eyes:	Can be an irritant
Respiratory:	Data not available
Ingestion:	Data not available
Carcinogenicity:	Not available
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	None known

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence and Degradability:	Possibly hazardous short term degradation products are not likely. Long term degradation products may arise.
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Compliance with applicable laws are the responsibility solely of the generator.
Product Containers:	Dispose of in a manner in accordance with local and national regulations.

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):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date:	08-25-2015
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 suitableness & completeness of such information for his own particular use.