

HP Starch

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

Revision Date: 13-Jun-2024
Supersedes: 02-Jul-2019

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	HP Starch	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Hydroxypropyl Starch Phosphate	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	113894-92-1	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Solid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Combustible dust
GHS Signal Word: **WARNING**
GHS Hazard Pictograms: None.
GHS Hazard Statements: If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.
GHS Precautionary Statements: None.
Potential Health Hazards: Eyes: May be an irritant.
 Inhalation: May be an irritant.
 Skin: May be an irritant.
 Ingestion: Not expected to be an irritant.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	
Health	1	Slight
Flammability	2	Moderate
Physical Hazards	0	Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Hydroxypropyl Starch Phosphate	113894-92-1	≥88%	Not Available
Water	7732-18-5	≤12%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Seek medical attention if necessary.

Inhalation: Remove to fresh air. Keep patient warm and at rest. Rinse nose and mouth with water. Seek medical attention.

Skin: Remove contaminated clothing and shoes. Rinse with water. Seek medical attention if necessary.

Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Seek medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperatures. Use appropriate media for adjacent fire and surrounding environment. No unsuitable extinguish media listed.

Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Collect contaminated fire extinguishing water separately and dispose of in accordance with local regulations. Do not allow run-off from firefighting to enter drains or water courses.
Specific hazards arising from the chemical:	Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges. Combustion products include carbon oxides and phosphates. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Avoid dust formation. Follow safe handling advice. 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:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Sweep up and shovel. Keep in suitable, closed containers for disposal. Follow safe handling advice. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid creating dust. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Provide appropriate exhaust ventilation at places where dust is formed. No sparking tools should be used. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Store in original container in a dry place. Store between 40-77°F (5-25°C). Keep container tightly closed. No decomposition if stored and applied as directed. 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>
HP Starch (dust)	50 million particles per ft ³ Further Info: a: Based on impinger samples counted by light-field techniques. d: All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1. mppcf X 35.3 = million particles per cubic meter = particles per c.c	TWA (total dust)	OSHA Z-3
	15 mg/m ³ Further Info: d) All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.	TWA (total dust)	OSHA Z-3
	5 mg/m ³ Further Info: d) All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.	TWA (respirable fraction)	OSHA Z-3
	15 million particles per ft ³ Further Info: a: Based on impinger samples counted by light-field techniques. d: All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1. mppcf X 35.3 = million particles per cubic meter = particles per c.c	TWA (respirable fraction)	OSHA Z-3

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

OSHA Z-3: USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts

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:	Wear safety glasses.
Inhalation:	No personal respiratory protective equipment normally required. In the case of dust, vapor, or aerosol formation use respirator with an approved filter. Half mask with a particle filter P2 (EN 143).
Body:	For prolonged contact, use protective gloves complying with EN 374. Lightweight protective clothing is recommended.
Other:	Provide appropriate exhaust ventilation at places where dust is formed. 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

Appearance:	Powder	Vapor Pressure:	Not applicable
Odor:	Mild	Vapor Density:	Not applicable
Odor Threshold:	No data available	Minimum Ignition Energy:	100-300 mJ
Color:	White	Flammability:	Not classified as flammable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Lower: 125,000 mg/m ³ Upper: No data available
pH:	4.5-7 at 1% solution	Flash Point:	Not applicable
Boiling Point:	Not applicable	Specific Gravity:	No data available
Melting/Freezing Point:	No data available	Water Solubility:	Soluble
Bulk Density:	Not determined	Auto-Ignition Temperature:	>212 °F (>100 °C)
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Dynamic/Kinematic Viscosity:	Not applicable	Explosive Properties:	Not explosive
Oxidizing Properties:	Not classified as oxidizing	Combustibility:	May form combustible dust concentrations in air during processing/handling
Dust deflagration index (Kst):	49 m.b./s	Dust Explosion Class:	St1

10 STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	No hazardous decomposition products are known.
Possible Hazardous Reactions:	Dust may form explosive mixture in air.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified based on available information.
Skin:	Product dust may be irritating to skin. (Rabbit) No skin irritation.
Eyes:	Product dust may be irritating to eyes.
Inhalation:	Product dust may be irritating to respiratory system.
Ingestion:	Not expected to be irritating.
Carcinogenicity:	Not classified based on available information.
IARC:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
OSHA:	No component of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not classified based on available information.
Specific Target Organ Toxicity:	Not classified based on available information.
Reproductive Toxicity:	Not classified based on available information.
Skin Corrosion/Irritation:	Not classified based on available information.
Serious Eye Damage/Irritation:	Not classified based on available information.
Skin/Respiratory Sensitization:	Not classified based on available information.
Aspiration Toxicity:	Not classified based on available information.
Over Exposure Symptoms:	The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	None known.
Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	(Daphnia magna) EC50: > 100 mg/l; Exposure time: 48 hours.
Terrestrial:	No data available.
Persistence and Degradability:	Result: Readily biodegradable.
Bioaccumulative Potential:	Bioaccumulation is unlikely.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.
Hazardous to Ozone Layer:	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances. This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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:	Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal. 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 as a dangerous good.
TDG (Transportation of Dangerous Goods, Canada):	Not regulated as a dangerous good.
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous good.
IATA (International Air Transport Association):	Not regulated as a dangerous good.
ICAO (International Civil Aviation Organization):	No data available.
ADR (Road Transportation):	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable for product as supplied.
49 CFR:	Not regulated as a dangerous good.
NOM-002-SCT:	Not regulated as a dangerous good.

15 REGULATORY INFORMATION

TSCA Inventory Status:	YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.
TSCA 5(a)(2):	No substances are subject to a Significant New Use Rule.
TSCA 12(b):	No substances are subject to TSCA 12(b) export notification requirements.
CERCLA Reportable Quantity:	This material does not contain any components with a CERCLA RQ.
SARA 304:	This material does not contain any components with a section 304 extremely hazardous substances reportable quantity.
SARA 311/312 Hazards:	Combustible dust.
SARA 302:	This material does not contain any components with a section 302 EHS TPQ.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act:	This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.
Canada (DSL):	YES. All components of this product are on the Canadian DSL.
China (IECSC):	YES. On the inventory, or in compliance with the inventory.
Australia (AICS):	YES. On the inventory, or in compliance with the inventory.
Japan (ENCS):	YES. On the inventory, or in compliance with the inventory.
Japan (ISHL):	YES. On the inventory, or in compliance with the inventory.
Philippines (PICCS):	YES. On the inventory, or in compliance with the inventory.
Korea (KECI):	YES. On the inventory, or in compliance with the inventory.
Taiwan (TCSI):	YES. On the inventory, or in compliance with the inventory.
New Zealand (NZIoC):	YES. On the inventory, or in compliance with the inventory.

16 OTHER INFORMATION

Revision Date:	13-Jun-2024
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.