

Polysorbate 20

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

Revision Date: 09-Jul-2021
Supersedes: Nov-2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Polysorbate 20	Distributor:	MakingCosmetics Inc.
Synonyms:	Polyoxyethylene-20 sorbitan monostearate	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Polysorbate-20	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	9005-64-5	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified												
GHS Labeling:	Not a dangerous substance according to GHS												
GHS Hazard Pictograms:	None												
GHS Hazard Statements:	None												
GHS Precautionary Statements:	None												
Potential Health Hazards:	Eyes: May cause irritation of the conjunctiva. Inhalation: Not expected to be respiratory irritant. Skin: Not expected to be skin irritant. Ingestion: Not expected to be irritant.												
NFPA Ratings (704):	<table border="0"> <tr> <td>Health</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td colspan="2">N/A</td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	1	Slight											
Flammability	1	Slight											
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>
Polysorbate 20	9005-64-5	Not available	Not Available

4 FIRST AID MEASURES

Eyes:	Immediately flush with plenty of running water for at least 15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Seek prompt medical attention.
Inhalation:	Seek prompt medical attention. Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Skin:	Remove contaminated clothing and shoes. Wash affected areas with plenty of running water, preferably under a shower. Seek prompt medical attention.
Ingestion:	Seek prompt medical attention. Do Not Induce Vomiting! Vomiting should only be induced by medical personnel. If vomiting occurs, keep the head lower than the chest to avoid aspiration into the lungs. Never give anything by mouth to a person who is unconscious or having convulsions.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (water spray, alcohol-resistant foam, carbon dioxide, dry chemical powder) for adjacent fire. Do not use direct water jet.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Water jets should not be used directly on igniting products because it may disperse the material and intensify the fire. Cool the intact, fire-exposed containers with

Flash Points: water spray and remove them.
>149°C (open glass)

Specific hazards arising from the chemical: Product is not flammable. In case of combustion, may generate carbon monoxide, besides CO₂. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Isolate and signalize area. Keep heat and/or ignition sources away. 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: Prevent product from entering into soil and waterways. Notify the competent authorities if the product has run into drainage systems or watercourse or has contaminated the ground or vegetation.

Methods and material for containment and cleaning up: Stop if possible. Contain and dike spilled product with earth or sand. Eliminate ignition or heat sources. Transfer to proper container. Collect remnants with an appropriate absorbent material. Wash the contaminated surface with water, which should be collected for disposal.

7 HANDLING & STORAGE

Precautions for safe handling: Use in a well-ventilated area. Avoid inhalation and contact with eyes, skin, or clothing through proper protection. If occurs accidental contact, exposed area should be washed immediately. Emergency eyewashes and showers should be located in accessible locations. Wash hands and face thoroughly after handling. Wash contaminated clothing before reuse. See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, incl. any incompatibilities: Store in a covered and well-ventilated area, away from sunlight and sources of heat or open flames. Ensure that the storage location has adequate moisture, pressure, and temperature. Keep containers tightly closed when not in use. The product can be stored, in liquid state, at temperatures slightly between 20-50°C, which, as recommended, is maintained at inert gas atmosphere. Keep away from heat and incompatible materials (see section 10 for incompatibilities). Recommended packing material: carbon steel coated with vinyl ester resin, stainless steel and polyester resin reinforced with glass fiber. Inadequate: zinc (galvanized steel) and zinc alloys.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Polysorbate 20	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: Side shields or wide vision safety goggles should be worn.

Inhalation: In closed environments, this product should be handled keeping proper exhaust general diluter or local exhauster. In case of emergency or contact with high concentrations of the product, wear an air supplied mask or self-contained breathing apparatus. It is recommended to wear face mask with organic vapors cartridge in case of exposure to vapors/aerosols.

Body: PVC apron should be worn. It is recommended to adopt safety boots/shoes. Gloves made of: Rubber. PVC (polyvinyl chloride).

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

Appearance:	Clear, yellowish liquid	Vapor Pressure:	No data available
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	Odorless	Evaporation Rate:	No data available

Color:	Clear, yellowish	Flammability:	Not applicable.
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH (5% p/p 25°C):	5.5-6.5	Flash Point:	>149°C (open glass)
Boiling Point:	No data available	Specific Gravity:	No data available
Melting Point:	No data available	Solubility in Water:	Soluble in water (20°C, 1hr/0.5% concentration)
Relative Density (water=1):	1.098 g/cm ³ (25°C)	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	~400 mPas (25°C)	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No hazardous activity is expected.
Chemical Stability:	Stable under normal conditions of use and storage.
Hazardous Polymerization:	Will not polymerize.
Conditions to Avoid:	High temperatures, ignition sources, and prolonged exposure to the air.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	In case of combustion, may generate carbon monoxide, besides CO ₂ .
Considerations on the use of the Product:	The product can form a gel at temperatures <20°C.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No data available
Eyes:	Draize eye irritation score was 5.3 out of a possible 110.
Respiratory:	No data available
Ingestion:	LD50: 36700 µL/Kg
Carcinogenicity:	None of this product's components are listed as carcinogenic by ACGIH, IARC, NTP, DFG, or OSHA. There are no known serious chronic effects and/or references on carcinogenic, mutagenic or teratogenic product activity.
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Expected to be biodegradable.
Bioaccumulative Potential:	It is not expected to bioaccumulate in the environment.
Mobility in Soil:	The product is slightly volatile and water soluble.
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	The preferred options for disposal include reuse, recycling, co-processing, finding a use for a by-product,
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incineration or other thermal destruction process at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety and environmental risks. Perform co-processing, incineration or other thermal destruction process at facilities capable of minimizing or reducing air pollution emissions. The disposal must comply with federal, state, and local laws and regulations in accordance with the environmental agencies.

Product Containers: Do not cut or pierce the packaging, not do hot work near them. Do not remove labels until the product has been fully removed and the packaging cleaned. The preferred options for disposal include reuse, recycling or reclamation at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety, and environmental risks. The disposal must comply with local legislation and in accordance with standards from local environmental agencies.

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):	No data available
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	Not classified as hazardous
IATA (International Air Transport Association):	Not classified as hazardous
ICAO (International Civil Aviation Organization):	Not classified as hazardous
ADR/RID (Land Transportation, cross border):	Not classified as hazardous
Land Transport ANTT:	Not classified as hazardous

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
Japanese MITI:	No data available
Philippines PICCS:	No data available
Korea KECL:	No data available
New Zealand NZIoC:	No data available
Applicable Standards:	Resolution 420/2004 - Transport Ministry. IMDG Code - 2010 Edition - IMO (International Maritime Organization). Dangerous Goods Regulations - 53 rd Edition - IATA (International Air Transport Association). Dangerous Goods Regulations by Road (ADR) - Available from January 1 st , 2011 - UNECE (United Nations Economic Commission for Europe). Brazilian Technical Standards Association (ABNT) - NBR 14725 - Part 1 to 4.

16 OTHER INFORMATION

Revision Date:	09-Jul-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.