



Safety Data Sheet

Polysorbate 20

August 1, 2019

Section 1: Chemical Product and Company Identification

Product name: Polysorbate 20
Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:
Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)
CHEMTREC 1-800-424-9300

Recommended use of the chemical and restrictions on use
Recommended use: Lubricant
Additive

Section 2: Hazards Identification

GHS Classification

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012)

GHS Label element

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012). Based on available data, the classification criteria are not met. Handle in accordance with good industrial hygiene and safety practice.

Precautionary statements:

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P270 Do not eat, drink or smoke when using this product.

Response:

P314 Get medical advice/attention if you feel unwell

Storage:

P410 + P403 Protect from sunlight. Store in a well-ventilated place.
P402 + P404 Store in a dry place. Store in a closed container.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.



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HANDCRAFT PROVISIONS

General advice	:	Prevent product from entering drains
Methods and materials for Containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

Section 7: Handling and Storage

Advice on safe handling	:	No special precautions required
Conditions for safe storage	:	Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters

Contains no substances with occupational exposure limit values

Appropriate engineering controls

Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required
Hand protection	:	Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Remarks	:	
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Color: Yellow

Odor: Mild

Odor Threshold: No data available

pH: 6.5, Concentration: 30 g/l(as aqueous solution)

Melting point/range: No data available

Boiling point/boiling range: No data available

Flashpoint: 290°C

Method: closed cup

Evaporation rate: No data available

Upper explosion limit: No data available

Lower explosion limit: No data available

Vapor Pressure: No data available

Relative vapor density: No data available

Relative density: No data available

Density: 1.1 g/cm³ (25°C)

Solubility(ies)

Water solubility: soluble

Solubility in other solvents: completely soluble
(20°C)

Solvent: Ethanol

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity

Viscosity, dynamic: 400 mPa.s (25°C)

Viscosity, kinematic: No data available

Section 10: Stability and Reactivity

Possibility of hazardous reactions	:	Hazardous polymerization does not occur. Stable under normal conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	Strong oxidizing agents Acids Bases
Hazardous decomposition products	:	Heating or fire can release toxic gas. Carbon monoxide

Section 11: Toxicological Information

Information on likely routes of exposure	:	Eyes Skin Inhalation Ingestion
Acute toxicity		
Acute oral toxicity (LD50)	:	> 5,000 mg/kg Species: Rat
Acute dermal toxicity	:	Remarks: no data available
Skin corrosion/irritation		
Skin irritation	:	non irritant



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HANDCRAFT PROVISIONS

		Species: Rabbit
		Assessment: No Skin irritation
Serious eye damage/eye irritation		
Eye irritation	:	non irritant
		Species: Rabbit
		Assessment: No eye irritation
Respiratory or skin sensitization		
Sensitization	:	Remarks: no data available
Germ cell mutagenicity		
Genotoxicity in vitro	:	negative
		Gene mutation, mouse lymphoma cells
		Metabolic activation: yes

Further information

Remarks: Information given is based on data on the components and the toxicology of similar products. No data is available on the product itself.

Section 12: Ecological Information

Ecotoxicity

Toxicity to fish : Remarks: no data available

Persistence and degradability

Biodegradability : Remarks: no data available

Bioaccumulative potential

Bioaccumulation : Remarks: no data available

Mobility in soil

Distribution among environmental compartments : Remarks: no data available

Other adverse effects

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information : There is no data available for this product.

Section 13: Disposal Conditions

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.
Contact waste disposal services.

Contaminated packaging : Dispose of as unused product.

Section 14: Transport Information

Regulator	Class	Pack Group	Environmental hazards	UN-nr.	Proper Shipping Name
IATA Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
IMDG Not dangerous goods	Not applicable	Not applicable	Marine Pollutant: no	Not applicable	Not applicable
ADR Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
RID Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
DOT Not dangerous goods	Not applicable	Not applicable	No	Not applicable	Not applicable
TDG Special precautions for user: None Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable	Not applicable	Not applicable	No	Not applicable	Not applicable

Section 15: Regulatory Information

EPCRA – Emergency Planning and Community Right-to-Know Act

SARA 311/312 : No SARA Hazards

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

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.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right To Know

No components are subject to the Pennsylvania Right to Know Act

New Jersey Right To Know

No components are subject to the New Jersey Right to Know Act

The components of this product are reported in the following inventories:

All components of this product are currently listed on the EPA TSCA 8(b) inventory list or are incidental byproducts.



Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

Section 16: Other Information

The information in this publication is believed to be accurate and is given in good faith, but no representation of warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representing of warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties or merchantability, fitness for a particular purpose, non-fringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and design.