

SAFETY DATA SHEET

Polysorbate 20 USP/NF

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Polysorbate 20 USP/NF

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Substance or Mixture

Classification:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Physical state Liquid

Other Hazards

Hazards which do not result in classification: Causes mild skin irritation

HNOC

Hazards not otherwise classified: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS NO.	CONCENTRATION (%)
Polyoxyethylene sorbitan monolaurate	9005-64-5	60 – 100*

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURE

Inhalation:

Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing

Skin Contact

Wash with plenty of water. Remove and isolate contaminated clothing and shoes.

Ingestion

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products

No data available.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation

Emergency Responders

Use personal protection recommended in Section 8.

Environmental Precaution

See Section 12 for additional Ecological Information.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Clean-up

Pick up and transfer to properly labeled containers.

Secondary Hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions

Protect from sunlight. Store in a well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use

Packaging Materials

No information available

Incompatible Materials

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls

Showers
Eyewash stations
Ventilation systems.

Individual Protection Measures and Personal Protection Equipment

Eye/face Protection

Wear safety glasses with side shields (or goggles).

Hand Protection

Wear suitable gloves.

Skin/Body Protection

Chemical resistant apron. Protective shoes or boots.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	Liquid @25 °C
Odor	No information available
Odor Threshold	No information available
pH (5% w/w in water @25 °C)	5
Melting point / freezing point	< 0 °C / 32 °F
Boiling point or initial boiling point/Range	> 100 °C / 212 °F
Flash point (open cup)	> 100 °C / 212 °F
Evaporation rate	No data available
Flammability	No data available
Flammability Limit in Air Upper/Lower	No information available

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Vapor pressure (mmHg @25 °C)	No data available
Relative vapor density	No data available
Density and/or relative density (@25 °C)	< 16
Water solubility	No data available
Solubility in other solvents	1.08 1.1200000000000001
Partition Coefficient (n-octanol/water)	Soluble in water
Autoignition temperature	No information available
Decomposition temperature	No data available
Kinematic viscosity (@25 °C)	No data available
Dynamic viscosity	250 cSt
Particle characteristics	No data available
Molecular weight	No information available
VOC Content (%)	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity:

No data available

Chemical Stability:

Stable under normal conditions.

Hazardous Reactions:

None under normal processing.

Hazardous Polymerization

No information available.

Conditions to Avoid:

None Known

Incompatible Materials:

No information available.

Decomposition Products:

No information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation

Specific test data for the substance or mixture is not available.

Eye Contact

Specific test data for the substance or mixture is not available.

Skin Contact

Causes mild skin irritation.

Ingestion

Specific test data for the substance or mixture is not available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute Toxicity

Unknown Acute Toxicity No information available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Polyoxyethylene sorbitan Monolaurate 9005-64-5	= 36700 µL/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging

Do not reuse empty containers.

US EPA Waste Number

D001, U108 U115

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

As your supplier, we have no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product in its intended condition as shipped

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
NDSL	Does not comply
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65*

This product contains the following Proposition 65 chemicals at or below Safe Harbor limits:

Chemical Name	California Proposition 65
1,4-Dioxane - 123-91-1	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive

* This material has been through a complete risk assessment and falls at or under the California Prop 65 Safe Harbor limit for consumer use in all purpose, industrial and institutional cleaning formulations at a maximum use level of 27 weight percent. Prop 65 labeling is not likely to be required for limits at or below Safe Harbor limits.

For other applications or higher use levels, the products may exceed safe harbor levels to employees who handle this product, based on exposures assessments using the U.S. Environmental Protection Agency (EPA) ChemSTEER program. Customers should assess

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exposures to their employees and provide Prop 65 warnings in compliance with Article 6 for occupational exposures and consistent with California’s Hazard Communication Standard.

Customers should evaluate their products based on their own formulations and ingredients used.

US State Right to Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen peroxide 7722-84-1	X	X	X

US EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which Natural Bulk Supplies believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.

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