



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Polysorbate 20 NF

30-1054

Section 1: Identification

Product Name Polysorbate 20 NF
Commercial Name Not available.
Product Use Surfactant
Restrictions On Use Not available.
Product Code 30-1054
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available.
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) Not available
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available.
Response Not available
Storage Not available
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Alkoxylate
% By Weight 60-100
CAS# 9005-64-5
Molecular Weight 1227.72 g/mole
Chemical Formula C58-H114-O26
Synonym(s) Polyoxyethylene (20) sorbitan monolaurate or Tween 20

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Alkoxylate	9005-64-5	60-100	Not available.	Not applicable.

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If symptoms persist, call a physician.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	If large quantities of this material are swallowed, call a physician immediately.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

High volume water jet

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from fire fighting to enter drains or water courses. In the event of fire, wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation. Methods and materials for containment and cleaning up: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

Section 7: Handling and Storage

Advice on protection against: Normal measure for preventive fire protection, fire and explosion. Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Conditions for safe storage: Store in original container. Keep container tightly closed in a dry and well-ventilated place. Materials to avoid: No special restrictions on storage with other products. Further information on storage stability: Stable under recommended storage conditions.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Not available.
Personal Protection	Respiratory protection: No personal respiratory protective equipment normally required. Hand protection Remarks: For prolonged or repeated contact use protective gloves. Eye protection: Safety glasses Skin and body protection: Impervious clothing Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	Liquid. Color: Light Yellow		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Method: neutral
Freezing Point	approximately 19 °F / -7 °C	Vapor Pressure	<0.1 kPa (@ 20°C)
Boiling Point/Range	> 212 °F / > 100 °C	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	approximately 400 mPa.s at 25 °C (
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	554 °F / 290 °C open cup	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Soluble in cold water, methanol. Soluble in Isopropanol. Polysorbate 20 is dispersible in Cottonseed oil, Ethylene Glycol, and Propylene Glycol; Insoluble in Mineral Oil.		
Other	Relative density: approximately 1.1 (77 °F / 25 °C)		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	The product is stable.
Hazardous Polymerization	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon oxides

Section 11: Toxicological Information
RTECS TR7400000

Acute Toxicity

Acute oral toxicity : LD50 Oral (Rat): > 38,900 mg/kg

Skin Corrosion/Irritation

No skin irritation

Serious Eye Damage/Irritation

No eye irritation

Respiratory or Skin Sensitization

Humans: Result: Patch test on human volunteers did not demonstrate sensitization properties. Test substance: 100%

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Not available.



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Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information

Ecotoxicity

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): ca. 216 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates : EC50 (calculated) (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 96 h Test Type: semi-static test Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l Exposure time: 21 d Test Type: semi-static test Toxicity to microorganisms : IC0 (Pseudomonas putida): > 10,000 mg/l

Persistence and Degradability

Biodegradation: > 70 % Exposure time: 28 d Remarks: (OECD 301B)

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations

Waste Disposal

Dispose of in accordance with local regulations.

Disposal of Container

Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Considerations

Not available.

Section 14: Transport Information

DOT Classification

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

EPCRA - Emergency Planning and Community Right-to-Know SARA 302 Extremely Hazardous Substances Threshold Planning Quantity This material does not contain any components with a section 302 EHS TPQ. SARA 311/312 Hazards : No SARA Hazards 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 Pennsylvania Right To Know Alkoxylate 9005-64-5 New Jersey Right To Know Alkoxylate 9005-64-5 California Prop. 65 This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) This product is not classified according to the EU regulations.;Lab coat.;Safety glasses.

Section 16: Other Information

Not available.