



Safety Data Sheet

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

Poloxamer 188 NF

30-2560

Section 1: Identification

Product Name Poloxamer 188 NF
Commercial Name Not available.
Product Use Chemical; Pharmaceutical
Restrictions On Use Not available.

Product Code 30-2560

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: Combustible Dust
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) May form combustible dust concentration in air.

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 Poloxamer 188 NF
% By Weight 80-100
CAS# 9003-11-6
Molecular Weight 7680 - 9510 g/mole
Chemical Formula (C3-H6-O.C2-H4-O)x
Synonym(s) Methyl - oxirane polymer with oxirane

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Poloxamer 188 NF	9003-11-6	80-100		

Section 4: First-Aid Measures

Inhalation	Keep patient calm, remove to fresh air.
Skin Contact	Wash thoroughly with soap and water.
Eye Contact	Wash affected eyes for at least 16 minutes under running water with eyelids held open.
Ingestion	Rinse mouth and then drink plenty of water.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
Symptomatic treatment(decontamination,vital functions).	

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

water spray,foam,dry powder

Unsuitable Extinguishing Media

water jet

Products of Combustion

Hazards during fire-fighting: Burning produces harmful and toxic fumes. Dust explosion hazard.

Firefighters Special Equipment and Precautions

Wear a self- contained breathing apparatus. Further information: Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6: Accidental Release Measures

Further accidental release measures; Avoid the formation and build-up of dust - danger of dust explosion. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Personal precautions,protective equipment and emergency procedures: Avoid contact with the skin,eyes and clothing.Avoid dust formation. Environmental precautions: Contain contaminated water/firefighting water.Do not discharge into drains/surface waters/groundwater. Methods and material for containment and cleaning up: For large amounts:Sweep/shovel up. For residues:Sweep/shovel up. Dispose of absorbed material in accordance with regulations.Avoid dust formation. For small amounts: Sweep/shovel up. Place into suitable container for disposal. For large amounts: Sweep/shovel up. Place into covered container for disposal. Avoid raising dust. Nonsparking tools should be used.

Section 7: Handling and Storage

Precautions for safe handling. Avoid dust formation. Protection against fire and explosion: Fine dust of the product is capable of dust explosion.Prevent electrostatic charge-sources of ignition should be kept well clear-fire extinguishers should be kept handy. Avoid dust formation.Dust in sufficient concentration can result in an explosive mixture in air.Handle to minimize dusting and eliminate open flame and other sources of ignition.Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.Provide adequate precautions,such as electrical grounding and bonding,or inert atmospheres.Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing,Processing,and Handling of Combustible Particulate Solids(2013 Edition)for safe handling. Conditions for safe storages including any incompatibilities: Further information on storage conditions:Keep container tightly closed and dry,Protect against heat,

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Advice on system design: it is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.Ensure that dust-exhaust ducts,dust collectors,vessels,and processing equipment)are designed in a manner to prevent the escape of dust into the work area(i.e.,there is no leakage from the equipment).Use only appropriately classified electrical equipment and powered industrial trucks.

Personal Protection

Respiratory protection: Breathing protection if breathable aerosolsklust are formed. Hand protection: Wear chemical resistant protective gloves,,Manufacturer's directions for use should be observed because of great diversity of types. Eye protection: Tightly fitting safety goggles(chemical goggles) Body protection: Body protection must be chosen based on level of activity and exposure. General safety and hygiene measures: Avoid contact with the skin,eyes and clothing.Wearing of closed work clothing is recommended. Eye wash fountains and safety showers must be easily accessible.Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	White powder		
Odor	Faint specific odor.		
Odor Threshold	Not available.		
Melting Point	52 °C	pH	5-7.5 (10 g/l, 20 deg C)
Freezing Point	Not available.	Vapor Pressure	negligible
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	260 °C	Autoignition temperature	290 C
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Soluble in cold water. >100 g/l		
Other	Bulk density: approx 500 kg/m3		

Section 10: Stability and Reactivity

Reactivity	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical Stability	The product is stable if stored and handled as prescribed/indicated.
Hazardous Polymerization	Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Conditions to Avoid	Avoid dust formation. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.
Incompatible Materials	strong oxidizing agents, strong bases, strong acids
Hazardous Decomposition Products	No hazardous decomposition products if stored and handled as prescribed /indicated.

Section 11: Toxicological Information
RTECS MD0911050

Acute Toxicity

Acute toxicity Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Oral Type of value: LD50 Species: rat Value: > 5,000 mg/kg (BASF-Test) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Dermal Type of value: LD50 Species: rabbit Value: > 2,000 mg/kg The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Literature data.

Skin Corrosion/Irritation

Not irritating to the skin.

Serious Eye Damage/Irritation

Not irritating to the eyes.

Respiratory or Skin Sensitization

Skin sensitizing effects were not observed in animal studies.

Germ Cell Mutagenicity

The substance was not mutagenic in bacteria.

Carcinogenicity

In long-term studies in rats in which the substance was given by feed, a carcinogenic effect was not observed. The product has not been tested. The statement has been derived from substances /products of a similar structure or composition. Literature data.

Reproductive Toxicity

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from substances /products of a similar structure or composition. Literature data.

Routes of Entry

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Symptoms Related to Exposure

No significant symptoms are expected due to the non - classification of the product.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Aquatic toxicity Assessment of aquatic toxicity: The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. There is a high probability that the product is not acutely harmful to aquatic organisms. Toxicity to fish LC50 (96 h) > 120 mg/l, Oncorhynchus mykiss (OECD 203; ISO 7346; 92/69/EEC, C.1, static) Aquatic invertebrates EC50 (48 h) > 100 mg/l, Daphnia magna (Directive 79/831/EEC, static) Nominal concentration. Analogous: Assessment derived from products with similar chemical character. Aquatic plants EC50 (72 h) > 100 mg/l (biomass), Scenedesmus subspicatus (DIN 38412 Part 9, static) Nominal concentration. Analogous: Assessment derived from products with similar chemical character.

Persistence and Degradability

Not readily biodegradable (by OECD criteria). Poorly biodegradable.

Bioaccumulative Potential

Significant accumulation in organisms is not to be expected.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Observe national and local legal requirements. Incinerate in suitable incineration plant, observing local authority regulations.

Disposal of Container

Dispose of in accordance with national, state and local regulations.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not classified as a dangerous good under transport regulations

Section 15: Regulatory Information**Regulations**

Federal Regulations Registration status: Chemical TSCA, US released/ listed Pharma TSCA, US released/ exempt OSHA hazard category: Not hazardous EPCRA 311/312 (Hazard categories): Not hazardous. State regulations CA prop. 65: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

Other

Not available.

Section 16: Other Information



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We support worldwide Responsible Care/initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.