

**Section 1: Identification**

**Product Name** Poloxamer 407 NF  
**Commercial Name** Kolliphor P 407  
**Product Use** Chemical; Pharmaceutical; cosmetics  
**Restrictions On Use** Not available.

**Product Code** 30-2637

**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:** According to Regulation 201Z OSHA Hazard Communication Standard. 29 CFR Part 1910.1200 Classification  
**CFR 1910.1200** of the product Combustible Dust Combustible Dust (1) Combustible Dust

**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 407 NF/ BHT  
**% By Weight** 80-100/0.005 - 0.0125  
**CAS#** 9003-11-6 and 123-37  
**Molecular Weight** 12,600 g/mol  
**Chemical Formula** n/a  
**Synonym(s)** Oxirane, methyl-, polymer with oxirane

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Oxirane, methyl-, polymer with oxirane	9003-11-6	80-100	n/a	n/a
BHT	128-37-0	0.005 - 0.0125	N/A	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Keep patient calm, remove to fresh air.
<b>Skin Contact</b>	Wash thoroughly with soap and water.
<b>Eye Contact</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
<b>Ingestion</b>	Rinse mouth and then drink 200-300 ml of water.
<b>Symptoms/Effects</b>	
<b>Acute</b>	No significant symptoms are expected due to the non - classification of the product.
<b>Delayed</b>	No significant symptoms are expected due to the non - classification of the product.

**Immediate Medical Attention**

Treatment: treat according to symptoms (decontamination, vital functions), no known specific antidote.

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

Water spray, Dry powder, Foam.

**Unsuitable Extinguishing Media**

Water jet.

**Products of Combustion**

Not available

**Firefighters Special Equipment and Precautions**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Section 6: Accidental Release Measures**

Personal Precautions: Avoid dust formation. Use personal protective clothing. Environmental precautions: Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater. For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Avoid raising dust. Dispose of absorbed material in accordance with regulations. Nonsparking tools should be used.

**Section 7: Handling and Storage**

Handle in accordance with good industrial hygiene and safety practice. Closed containers should only be opened in well-ventilated areas. Protection against fire and explosion: 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. Dust explosion class: Dust explosion class 1 (K<sub>st</sub>-value > 0 up to 200 bar m s<sup>-1</sup>). Conditions for safe storage, including any incompatibilities. Further information on storage conditions: Keep container tightly closed and dry. Protect against heat. Protect from temperatures above: 30°C. The packed product must be protected against exceeding the indicated temperature.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Provide local exhaust ventilation to control dust. 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-handling systems (such as 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: Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Hand protection: Wear chemical resistant protective gloves. Eye protection: Safety glasses with side-shields. Body protection: Body protection must be chosen based on level of activity and exposure. General safety and hygiene measures: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of dusts. When using, do not eat, drink or smoke.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White powder, Coarse particle, waxy type		
<b>Odor</b>	Faint specific odour		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	53-57°C	<b>pH</b>	6-9 (50 g/l)
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available
<b>Boiling Point/Range</b>	The product is non-volatile sc	<b>Vapor Density</b>	The product is non-volatile solid.
<b>Decomposition temperature</b>	350°C, 0.64 kJ/g (DSC (DIN	<b>Viscosity</b>	Product is a sold.
<b>Partition Coefficient: n-octanol/water</b>	Not available	<b>Evaporation Rate</b>	The product is non-volatile solid.
<b>Flash Point</b>	>150°C	<b>Autoignition temperature</b>	Based on its structural properties th
<b>Flammability</b>	Not highly flammable.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	For solids riot relevant for classification and labeling.
		<b>Upper</b>	For solids riot relevant for classification and labeling.
<b>Solubility(ies)</b>	>175 g/l (23°C ) Soluble. Solvent(s): Distilled water.		
<b>Other</b>	Bulk density: approx. 500 kg /m3 If necessary, information on other physical and chemical parameters Is indicated In this section.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Corrosive effects to metal are not anticipated. Based on Its structural properties the product is not classified as oxidizing. Dust explosion characteristics: Kst: 58 m.bar/s Dust explosion class: Dust explosion class 1 (Kst-value >0 up to 200 bar m s-1) (St 1) Minimum ignition energy: 10 - 30 mJ, 6.42 hPa Forms no flammable gases in the flammable gases: presence of water.
<b>Chemical Stability</b>	The product is stable
<b>Hazardous Polymerization</b>	The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.
<b>Conditions to Avoid</b>	Avoid excessive temperatures. Avoid dust formation.Avoid deposition of dust.
<b>Incompatible Materials</b>	Strong bases, strong acids, oxidizing agents
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products if stored and handled as prescribed/indicated. 350 °C, 2.5 K/min (DSC (DIN 51007)) 75 °C, 2.5 KJmin (DSC (DIN 51007))

**Section 11: Toxicological Information**

<b>RTECS</b>	MD0907950
<b>Acute Toxicity</b>	

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 substance/products of a similar structure or composition, I,nbalafion Type of value: 1-050 Species: rat not determined Dermal: Type of value: LD50 Species. rabbit Value, > Z000 mg/kg The product has not been tested, The statement has been derived from substance/products Of a similar structure or composition. Literature data. Assessment other acute effects Pilo date-available. Irritation / corrosion Assessment of irritating effects: Not irritating to the skin. Not Irritating to the eyes. Skin Speclev. rabbit Result: non-irritant Method., OECD Guideline 404 The product has not been tested, similar structure or composition. Species: rabbit Result: non- irritant Method: OECD Guideline 405 The product has not been tested. similar structure or composition. The statement has been derived from substances/products of a The statement has been derived from substance/products of a Sensitization Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. Guinea pig maximization test Species: guinea pig Result: Non-sensitizing, Method: OECD Guideline 406 As2iration Hazard not applicable Chronic Toxicity/Effects Repeated dose toxicity Assessment of repeated dose toxicity: No data available. 9013do toxic! Assessment of mutagenicity. No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The substance was not mutagenic; in bacteria. Genetic toxicity in Vitro: Ames-test with and without metabolic activation negative Literature data. Cargi Lriogenicity Assessment of carcinogenicity: No reliable data was available concerning carcinogenic activity. Rpproductive toxicity Assessment of reproduction toxicity: No reliable data are available concerning reproduction toxicity. Teratogenicity Assessment of teratogenicity: No reliable data was available concerning teratogenicity.

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**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**

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from products of a similar structure or composition. Bioaccumulation potential: Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected. Mobility in soil: The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible. Toxicity to fish: LC50 (96 h) > 10,000 mg/l, Brachydanio rerio (OECD Guideline 203, static) The statement of the toxic effect relates to the analytically determined concentration. Aquatic invertebrates: EC50 (48 h) > 1.10 mg/l, Ceriodaphnia sp. (static) Aquatic plants: EC50 (72 h) > 970 mg/l, algae

**Persistence and Degradability**

Assessment biodegradation and elimination (H2O): Experience has shown that the product is difficult to eliminate in effluent treatment plants. The product has not been tested. The statement has been derived from products of a similar structure or composition.

**Bioaccumulative Potential**

Bioaccumulation potential: Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

**Mobility in Soil**

Assessment transport between environmental compartments: The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.

**Other Adverse Effects**

According to Annex XIV of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative /toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

**Section 13: Disposal Considerations****Waste Disposal**

Do not discharge into drains/surface waters/groundwater. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Disposal of Container**

Not available.

**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 AND STATE REGULATIONS: California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Ethylene oxide; 1,4-Dioxane California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Ethylene oxide California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Ethylene oxide California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene oxide; 1,4-Dioxane Pennsylvania RTK: Ethylene oxide; 1,4-Dioxane Florida: Ethylene oxide Minnesota: Ethylene oxide Massachusetts RTK: Ethylene oxide; 1,4-Dioxane New Jersey: Ethylene oxide TSCA 8(b) inventory: Pluronic (all) SARA 302/304/311/312 extremely hazardous substances: Ethylene oxide SARA 313 toxic chemical notification and release reporting: Californial Proposition 65 warnings: California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene oxide; 1,4-Dioxane California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Ethylene oxide

**Other**

Not available.

**Section 16: Other Information**

Any other intended applications should be discussed with the manufacturer. Corresponding occupational protection measurements must be followed. The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed properly nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.