

## Poloxamer 407 NF

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 05-May-2022  
Supersedes: 05/24/2010

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Poloxamer 407 NF  
**Synonyms:** No data available  
**INCI Name:** Poloxamer 407  
**CAS Number:** 9003-11-6  
**Formula:** No data available  
**Product Form:** Solid  
**Product Use:** Cosmetic use

**Distributor:** XI'AN AOGU BIOTECH CO.,LTD  
**Address:** Room 606,Block B3,Jinye Times,No.32,East  
Section of Jinye Road,Yanta District,Xi'an  
Shaanxi 710065 China  
**Phone / Fax:** 0086-29-89121514  
**Web:** www.aogubio.com

**Emergency Telephone Number: 0086-18091843361 (Chemtrec)**

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Not classified  
**GHS Labeling:** Not a dangerous substance according to GHS  
**GHS Hazard Pictograms:** None  
**GHS Hazard Statements:** None  
**GHS Precautionary Statements:** None  
**Potential Health Hazards:** Eyes: Not irritating to eyes.  
Inhalation: Not expected to be irritant.  
Skin: Not irritating to skin. Virtually non-toxic after single skin contact.  
Ingestion: Virtually non-toxic after single ingestion.

**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Poloxamer 407 NF	9003-11-6	Not Available	Not Available

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of water for at least 15 minutes, with eyelids held open. Seek medical attention if necessary.  
**Inhalation:** If difficulties occur after dust has been inhaled, remove victim to fresh air and seek medical attention.  
**Skin:** Flush with plenty of water and wash using soap. Remove contaminated clothing. Get medical attention if irritation occurs.  
**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (water spray, foam, dry chemical) for adjacent fire. Do not use water jet.  
**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.  
**Flash Points:** >150°C  
**Specific hazards arising from the chemical:** Harmful vapors. Evolution of fumes/fog. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**  
**Environmental precautions:**

Avoid dust formation. Use personal protective clothing. See section 8 for recommendations on the use of personal protective equipment.  
 Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:**

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. For large amounts, contain with dust binding material and dispose of. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:**  
**Conditions for safe storage, incl. any incompatibilities:**

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.  
 Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Poloxamer 407 NF	Not available		

TWA: Time Weighted Average over 8 hours of work .  
 TLV: Threshold Limit Value over 8 hours of work .  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

**Personal Protection:**

**Eyes:** Safety glasses with side shields should be worn.  
**Inhalation:** Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.  
**Body:** Wear chemical resistant protective gloves. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.  
**Other:** Provide local exhaust ventilation to control dust. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder, coarse particle, waxy type	<b>Vapor Pressure:</b>	Negligible
<b>Odor:</b>	Faint specific odor	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White	<b>Flammability:</b>	Not highly flammable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	6.0-9.0 (50 g/L)	<b>Flash Point:</b>	>150°C
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Range:</b>	53-57°C	<b>Solubility in Water:</b>	>175 g/L (23°C)
<b>Bulk Density:</b>	Approx. 500 kg/m <sup>3</sup>	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	< -5	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available
<b>% Volatile by Volume:</b>	No data available		

## 10 STABILITY AND REACTIVITY

**Reactivity:** This product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.  
**Chemical Stability:** Stable under recommended storage conditions.

<b>Hazardous Polymerization:</b>	No data available
<b>Conditions to Avoid:</b>	Avoid excessive temperatures.
<b>Incompatible Materials:</b>	No data available
<b>Hazardous Decomposition Products:</b>	No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	LD50: >2,000 mg/kg Non-irritant
<b>Eyes:</b>	Non-irritant
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	LD50: >5,000 mg/kg
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	Non-sensitizing
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Aquatic Vertebrate:</b>	LC50 (96h): >10,000 mg/L (Brachydanio rerio)
<b>Aquatic Invertebrate:</b>	EC50 (48h): >100 mg/L (Ceriodaphnia sp.)
<b>Terrestrial:</b>	EC50 (72h): >970 mg/L (Algae)
<b>Persistence and Degradability:</b>	Product is difficult to eliminate in effluent treatment plants.
<b>Bioaccumulative Potential:</b>	Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
<b>Product Containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. Packaging must not be re-used.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	No data available
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated as a dangerous good
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated as a dangerous good
<b>IATA (International Air Transport Association):</b>	Not regulated as a dangerous good
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated as a dangerous good

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Pharma: released/ exempt Cosmetic: released/ exempt Chemical: released/ listed
<b>EPCRA 311/312 (Hazard categories) :</b>	Refer to SDS section 2 for GHS hazard classes applicable
<b>CERCLA RQ:</b>	
<b>DSCL (EEC):</b>	Listed
<b>WHMIS (Canada):</b>	Not controlled
<b>EU EINECS/ELINCS/NLP:</b>	No data available
<b>China IECSC:</b>	No data available
<b>China IECIC (06.30.2014):</b>	No data available
<b>Australia AICS:</b>	No data available
<b>New Zealand NZIoC:</b>	No data available
<b>Safe Drinking Water &amp; Toxic Enforcement Act, CA Prop. 65:</b>	WARNING: This product can expose you to chemicals including ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## 16 OTHER INFORMATION

<b>Revision Date:</b>	05-May-2022
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.