

# TETRA Technologies, Inc.

## MATERIAL SAFETY DATA SHEET



# BioPOL™

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### 1. PRODUCT AND COMPANY IDENTIFICATION

TETRA Technologies, Inc. 25025 I-45 North The Woodlands, TX 77380	CHEMTREC (24-Hr Emergency Response):	(800) 424-9300
	Poison Control:	(800) 222-1222
	Nonemergency Customer Service:	(281) 367-1983
Substance:	BioPol™	
Synonyms:	None	
Chemical Family	Polysaccharide	
MSDS Creation Date:	06 Dec 96	
MSDS Revision Date:	23 Jul 04	

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

CAS Number	Wt %	Component Name	RTECS Number
011138-66-2	87-92%	Xanthan Gum	Not Determined

### 3. HAZARDS IDENTIFICATION

NFPA Ratings (Scale 0-4):	Health – 0    Fire – 1    Reactivity – 0
Emergency Overview:	White to light yellow or tan powder. Slight odor. Dust may cause mechanical irritation to eyes, nose, throat, and upper respiratory tract. Use with adequate ventilation.
Potential Health Effects:	
Inhalation:	No information available
Skin Contact:	No information available
Eye Contact:	No information available
Ingestion:	No information available
Carcinogen Status:	OSHA – No    NTP – No    IARC – No

### 4. FIRST AID MEASURES

Eye Contact:	Flush eyes with large amounts of water. Get immediate medical attention.
Skin Contact:	Remove contaminated clothing and clean before reuse. Wash skin with large amounts of soap and water. Get medical attention if needed.
Inhalation:	Remove to fresh air immediately. Get prompt medical attention immediately.
Ingestion:	If large amount is swallowed, get medical attention.
Notes to Physician:	No specific antidote. Treat symptomatically and supportively.

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**5. FIRE FIGHTING MEASURES**

Flash Point:	Not applicable
Extinguishing Media:	Regular dry chemical, carbon dioxide, water, regular foam.
Fire Fighting:	Move product from fire area if you can without risk. Extinguish fire using agent suitable for type of surrounding fire and/or chemicals. Do not use water directly on material. Hydrated product can be very slippery. Avoid breathing vapors; keep upwind. Dike for later disposal.
Fire and Explosion Hazard:	Negligible fire hazard when exposed to heat or flame. Like most dry chemicals, a potential dust explosion hazard exists if the dust concentration in air is too high.
Products of Combustion:	Thermal composition products may include toxic oxides of carbon.

**6. ACCIDENTAL RELEASE MEASURES**

Evacuation and Safety:	Wear appropriate protective gear for the situation. See personal protection information in Section 8.
Containment of Spill:	For spills, sweep or scoop up and collect in containers for disposal.
Cleanup and Disposal:	Wash down spill area after pick up is complete. Use caution as the product becomes slippery when hydrated. Avoid creating dust clouds and breathing dust.

**7. HANDLING AND STORAGE**

Handling:	Observe all federal, state, and local regulations when handling this product.
Storage:	Store away from incompatible materials.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls:	Provide local exhaust ventilation system. Where there is possibility of exposure, eye wash fountain and safety shower should be provided within the immediate work area for emergency use.
Exposure Limits:	Xantham Gum – no occupational exposure limits established.
Eyes:	Wear safety glasses with splash shields or safety goggles/shield.
Body:	Wear appropriate protective chemical resistant clothing and equipment.
Respiratory:	Avoid breathing dust. Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Use of a NIOSH approved respirator should be based on contamination levels in the workplace or situation. <b><u>For firefighting and other immediately dangerous to life or health conditions:</u></b> Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.
Hands and Feet:	Wear appropriate protective gloves and boots.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Description:	White to light yellow or tan powder.
Odor:	Slight
Boiling Point:	Not applicable
Melting Point:	Not applicable
Molecular Weight:	Not available
Specific Gravity (H <sub>2</sub> O=1):	0.8
pH:	Neutral
Water Solubility:	Soluble
Vapor Density (Air=1):	Not applicable
Vapor Pressure:	Not applicable
Viscosity:	Not applicable

**10. STABILITY AND REACTIVITY**

Stability and Reactivity:	Stable under normal temperatures and pressures.
Incompatibilities:	No data available.
Hazardous Decomposition:	Thermal decomposition products may include toxic oxides of carbon.
Polymerization:	Will not polymerize under normal temperatures and pressures.
Conditions to Avoid:	May burn but does not ignite readily.

**11. TOXICOLOGICAL INFORMATION**

<b>Toxicity Data:</b>	LD50: 45 gm/kg. Rat (oral)
<b>Local Effects:</b>	No data available.
<b>Health Effects:</b>	No data available.

**12. ECOLOGICAL INFORMATION**

Environmental Summary:	Harmful to aquatic life.
Ecotoxicity Data:	LC50: 420,000 ug/L 96 hrs. Fish (mortality)

**13. DISPOSAL INFORMATION**

Observe all federal, state and local regulations when disposing of this substance.

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**14. DEPARTMENT OF TRANSPORTATION (DOT) TRANSPORT INFORMATION**

Shipping Name:	Not regulated
ID Number:	Not applicable
Hazard Class or Division:	Not applicable
Packing Group:	Not applicable
Labeling Requirements:	Not applicable
Packing Authorizations:	
Exceptions:	Not applicable
Non-bulk Packing:	Not applicable
Bulk Packing:	
Quantity Limitations:	
Passenger Aircraft or Railcar:	Not applicable
Cargo Aircraft Only:	Not applicable
Vessel Stowage Requirements:	Not applicable
Emergency Guide Number:	Not applicable

**15. REGULATORY INFORMATION**

<b>Workplace Classification:</b>	
SARA Title III:	No
TSCA Status:	Yes
EINECS Status:	Yes
CERCLA:	Not regulated
OSHA Process Safety:	Not determined
California Proposition 65:	Not regulated
WHMIS Classification:	Not determined

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**16. OTHER INFORMATION**

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the users' responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

TETRA Technologies, Inc. reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.