

8884-436400, 8884-437201, and  
8884-437100

Page 1



# MATERIAL SAFETY DATA SHEET

## Xeroflo

**Sherwood Medical Company**  
1915 Olive Street  
Saint Louis, Missouri 63103  
General Telephone No.: 314-241-5700  
CHEMTREC® for Chemical Emergencies: 800-424-9300

Preparation Date: 07/29/1993  
Revision Date: 09/28/1993

### 1. PRODUCT and COMPANY IDENTIFICATION

- 1.1 PRODUCT NAME: Xeroflo
- 1.2 USE/SIZE: Gauze wound dressing/2" x 2" (8884-436400); 1" x 8" (8884-437201); 5" x 9" (8884-437100)
- 1.3 PRODUCT NO.: 8884-436400, 8884-437201, and 8884-437100
- 1.4 CAS NO.: —
- 1.5 SYNONYMS: —
- 1.6 TRADE NAMES: —

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NO.	INGREDIENT NAME	SYNONYMS	CAS NO.	% WEIGHT
1	Petroleum Jelly	Petrolatum	8009-03-8	> 80
2	Bismuth Tribromophenate	Bismuth Bromophenate	5157-83-7	3-5
3	Brij 93	Polyoxyethylated vegetable oil	9004-98-2	1-3
4	Brij 35	Dodecyl Alcohol, Ethoxylated	9002-92-0	1-3
5	Water	—	7732-18-5	5-10

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

This product is not expected to present any health, physical, or environmental concerns for emergency response personnel. It will result in little or no hazard if spilled and no unusual hazard if involved in a fire.

Post-It™ brand fax transmittal memo 7671		# of pages > 6	
To <i>Jerry Taylor</i>	From <i>Carol Ceto</i>		
Co. <i>Natl. Inst. of Health</i>	Co. <i>Sherwood med.</i>		
Dept.	Phone # <i>314-241-5700</i>		
Fax # <i>301-402-2055</i>	Fax # <i>314-621-2960</i>		

8884-436400, 8884-437201, and  
8884-437100

Page 2

### 3.1 POTENTIAL HEALTH EFFECTS

In toxicology tests, this product was not found to be a primary skin irritant. However, no health effects data were available for the product for other routes of exposure (e.g., oral and inhalation). Therefore, when necessary, information has also been provided for the individual ingredients. Descriptions of the health effects for the ingredients may overestimate the actual hazards of the product. The ingredient(s) associated with the health effects described is indicated [in brackets] by ingredient number (see Section 2 for a listing of ingredients and their respective numbers). For supporting toxicological data refer to Section 11.

#### 3.1.1 ACUTE EFFECTS:

**INHALATION:** This product is not an inhalation hazard under normal conditions of use.

**INGESTION:** Toxicity by ingestion is minimal. However, ingestion of large amounts may cause nausea, vomiting, diarrhea, and possible intestinal obstruction [1,4]. May also cause pharyngeal and esophageal burns [4].

**SKIN:** This product is non-irritating to the skin and skin absorption is not associated with any health effects.

**EYE:** May cause eye irritation [4]; however the product and its ingredients are not expected to cause permanent eye damage.

#### 3.1.2 TARGET ORGAN EFFECTS (SUBCHRONIC/CHRONIC):

No data are available on the subchronic or chronic effects of this product. Prolonged skin contact to one of the hazardous ingredients, however, may cause dermatitis with skin irritation or rash [4].

#### 3.1.3 CARCINOGENIC EFFECTS:

No data are available on the carcinogenic effects of this product or its ingredients.

#### 3.1.4 REPRODUCTIVE/TERATOGENIC EFFECTS:

No data are available on the reproductive or teratogenic effects of this product or its ingredients.

### 3.2 CARCINOGENICITY STATUS:

The product and its ingredients are not listed as carcinogenic by NTP, IARC, or OSHA.

### 3.3 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

No data are available for the product or its ingredients.

## 4 FIRST AID MEASURES

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. However, if cough or other symptoms develop, remove to fresh air and get medical attention.

**INGESTION:** If swallowed, do NOT induce vomiting. If the subject is conscious, give them 1 or 2 glasses of water to dilute the chemical. Call a physician or poison control center immediately.

8884-436400, 8884-437201, and  
8884-437100

Page 3

Never give anything by mouth to an unconscious person. If the victim is unconscious, keep their airway open and lay the victim on their side with the head lower than the body. Get immediate medical attention.

**SKIN:** This material is not expected to produce skin irritation or to cause toxic systemic effects if absorbed through the skin. However, if irritation develops, or other symptoms occur, obtain medical attention.

**EYE:** First check the victim for contact lenses and remove if present. Immediately flush eyes with plenty of water or normal saline for at least 15 minutes while holding eyelids open. If symptoms such as redness or irritation develop or persist, get immediate medical attention. Do not put any medication in the victim's eyes unless instructed by a physician.

## 5. FIRE FIGHTING MEASURES

5.1 FLASH POINT: No data available.

METHOD: —

5.2 AUTOIGNITION TEMPERATURE: No data available.

5.3 FLAMMABILITY LIMITS:

LOWER LIMIT: No data available.

UPPER LIMIT: No data available.

5.4 UNUSUAL FIRE AND EXPLOSION HAZARDS:

None identified.

5.5 COMMON EXTINGUISHING METHODS:

This product is not flammable. For fires involving its packaging materials, use an agent which is appropriate for combustibles and surrounding class(es) of fire.

5.6 FIRE FIGHTING PROCEDURES:

Keep unnecessary people away; isolate hazard area and deny entry. Remove containers exposed to fire if possible, otherwise cool them from the side with water spray. Emergency equipment including self-contained breathing apparatus (SCBA) and full fire fighting turnout gear should be worn by fire fighters.

## 6. ACCIDENTAL RELEASE MEASURES

This product, in final form, is a petroleum jelly gauze dressing, and is not expected to present a spill or release hazard.

## 7. HANDLING AND STORAGE

Keep containers closed when not in use. Store in a cool, dry, well-ventilated area. This product can be stored at room temperature.

## 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE GUIDELINES:

The Occupational Safety and Health Administration (OSHA) and the American Conference of Governmental Industrial Hygienists have not developed exposure limits for this product or its hazardous ingredients.

INGREDIENT NAME

OSHA PEL/STEL

ACGIH TLV/STEL

8884-436400, 8884-437201, and  
8884-437100

Page 4

\*No ingredients listed in this section\*

**8.2 VENTILATION:**

No specific controls are required; normal room ventilation expected to be adequate.

**8.3 RESPIRATORY PROTECTION:**

Respiratory protection is not required.

**8.4 PROTECTIVE GLOVES:**

Skin protection is not required.

**8.5 EYE PROTECTION:**

Since this product and its ingredients are not expected to cause serious eye injury, safety glasses are not necessary for handling and use. Care should be taken, however, to avoid accidental eye exposure since any foreign matter in the eye can produce irritation and redness.

**8.6 OTHER:**

Additional protective equipment is not required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 APPEARANCE AND ODOR:** A gauze wound dressing.

**9.2 MELTING POINT:** No data available.

**9.3 BOILING POINT:** No data available.

**9.4 SPECIFIC GRAVITY/DENSITY:** No data available.

**9.5 VAPOR DENSITY:** No data available.

**9.6 VAPOR PRESSURE:** No data available.

**9.7 SOLUBILITY:**

- WATER: Insoluble.
- OTHER SOLVENTS: No data available.

**9.8 DECOMPOSITION TEMPERATURE:** No data available.

**9.9 VISCOSITY:** No data available.

**9.10 pH:** No data available.

**10. STABILITY AND REACTIVITY****10.1 STABILITY:**

Product is stable under normal conditions of use.

**10.2 HAZARDOUS DECOMPOSITION PRODUCTS:**

Not determined for product; hazardous decomposition products of the ingredients include acid smoke and toxic fumes of carbon monoxide and carbon dioxide.

**10.3 CONDITIONS TO AVOID:**

Avoid heat, high temperatures, pressure, mechanical shock or other conditions that might result in a hazardous situation.

**10.4 MATERIALS AND SUBSTANCES TO AVOID (INCOMPATIBILITY):**

8884-436400, 8884-437201, and  
8884-437100

Page 5

There are no known materials incompatible with this product; however, one of the product's ingredients is incompatible with strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

In dermal toxicity studies, this product was found not to be a primary skin irritant when applied to rabbit skin for 24 or 48 hours. According to the test protocol, a primary skin irritant is defined as a substance producing an injury on first contact. No other toxicity data were available for the product.

When available, toxicological data for the product's ingredients are provided below. Refer to Section 3.2 for health effects information.

### 11.1 ACUTE DATA:

#### INHALATION:

\*No ingredients listed in this section\*

#### INGESTION:

Brij 93

Brij 35

LD<sub>50</sub> = 70 gm/kg (rat); 2770 mg/kg (rat).

TDLo = 3900 mg/kg/5 days (rat): ataxia, dyspnea; 14040 mg/kg/22 days (rat):  
ataxia, dyspnea;

LD<sub>50</sub> = 1 gm/kg (rat); 1170 mg/kg (mouse); 384 mg/kg (guinea pig).

#### EYES:

Brij 93

Brij 35

A 5 mg dose applied for 48 hours resulted in irritation to the rabbit eye.

A 75 ug dose applied to the rabbit eye for 24 hours caused severe irritation.

#### SKIN:

In dermal toxicity studies, this product was not found to be a primary skin irritant when applied to rabbit skin for 24 or 48 hours. According to the test protocol, a primary skin irritant is defined as a substance producing injury on first contact.

### 11.2 TARGET ORGAN EFFECTS DATA (SUBCHRONIC/CHRONIC)

\*No ingredients listed in this section\*

### 11.3 CARCINOGENIC EFFECTS DATA:

\*No ingredients listed in this section\*

### 11.4 MUTAGENIC EFFECTS DATA:

Brij 35

DNA damage (Escherichia coli).

### 11.5 REPRODUCTIVE/TERATOGENIC EFFECTS DATA:

\*No ingredients listed in this section\*

## 12. TRANSPORT INFORMATION

### 12.1 U.S. DEPARTMENT OF TRANSPORTATION (DOT):

This product is not regulated by DOT.

### 12.2 INTERNATIONAL TRANSPORTATION REGULATIONS:

This product is not regulated under international transportation regulations.

8884-436400, 8884-437201, and  
8884-437100

Page 6

## 13 REGULATORY INFORMATION

### 13.1 FEDERAL REGULATIONS:

This product is not regulated by the federal government; however, specific regulations exist for the following ingredients:

Brij 93  
Brij 35

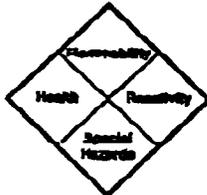
EPA TSCA Chemical Inventory.  
EPA TSCA Chemical Inventory.

### 13.2 STATE REGULATIONS:

This product and its ingredients are not regulated by any state government.

## 14 OTHER INFORMATION

### 14.1 HAZARD RATINGS



NFPA:  
Health- 0  
Flammability- 0  
Reactivity- 0  
Special Hazards- None

Health
Flammability
Reactivity
Personal Protection

HMIS:  
Health- 0  
Flammability- 0  
Reactivity- 0  
Personal Protection- See Section 8.

\*A hazard rating has not been developed by NFPA for this product. NFPA-derived rating provided is based on NFPA hazard evaluation criteria.

### 14.2 PREPARATION AND REVISION INFORMATION

MSDS Revision 1 (9/93): No new data added.

The information and recommendations presented in this MSDS are based on sources believed to be accurate. However, Sherwood Medical Company assumes no liability for the accuracy, completeness, or suitability of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.

The hazard ratings included in this MSDS have been developed based on NFPA and HMIS criteria as well as professional judgement. This information is intended solely for the use of individuals trained in these hazard rating systems.