Material Name
Xeroform Non-occlusive Dressing

Synonyms
8884-436400, 8884-437201, 8884-437100, 8884-437305

Product Use
Non-occlusive emulsion oil wound dressings

Restrictions on Use
For use under medical supervision only.

Manufacturer Information
Covidien, LP
15 Hampshire Street
Mansfield, MA 02048
USA
Phone: +1-(508) 261-8000 (Monday - Friday 8:00 am to 5:00 pm)
Email: customerservice@medtronic.com

Emergency Telephone Number:
CHEMTREC (800) 424-9300 (for US and Canada)
1(703) 527-3887 (Outside US and Canada)
Collect calls accepted

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
None needed according to classification criteria

GHS Label Elements

Symbol(s)
None needed according to classification criteria

Signal Word
None needed according to classification criteria

Hazard Statement(s)
None needed according to classification criteria

Precautionary Statement(s)

Prevention
None needed according to classification criteria

Response
None needed according to classification criteria
Safety Data Sheet

Material Name: Xeroform Non-occlusive Dressing

Storage
None needed according to classification criteria

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations

Other Hazards
No additional information available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8009-03-8</td>
<td>Petroleum jelly</td>
<td>&gt;80</td>
</tr>
<tr>
<td>5175-83-7</td>
<td>Bismuth tribromophenate</td>
<td>3-5</td>
</tr>
<tr>
<td>9004-98-2</td>
<td>Polyoxyethylated Vegetable Oil</td>
<td>1-3</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>5-10</td>
</tr>
<tr>
<td>9002-92-0</td>
<td>Dodecyl alcohol, ethoxylated</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES

Inhalation
It is unlikely that first aid will be required.

Skin
It is unlikely that first aid will be required. Get medical attention if irritation develops.

Eyes
Rinse cautiously with water for several minutes. If eye irritation persists, get medical advice/attention.

Ingestion
If swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.

Most Important Symptoms/Effects

Acute
May cause mild eye irritation.

Delayed
No information on significant adverse effects.
Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media
Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media
Do not use water jets.

Special Hazards Arising from the Chemical
None known.

Hazardous Combustion Products
Oxides of carbon, oxides of bismuth, hydrobromic acid

Fire Fighting Measures
Avoid inhalation of material or combustion by-products.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Wear personal protective clothing and equipment.

Methods and Materials for Containment and Cleaning Up
Clear up spills immediately and dispose of waste safely.

Environmental Precautions
Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Observe good hygiene and safety practices when handling this product.

Conditions for Safe Storage, Including any Incompatibilities
Store in a cool, dry place. Store in a well-ventilated place.

Incompatible Materials
Strong oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits
ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product's components
Biological limit value
There are no biological limit values for any of this product's components.

Engineering Controls
Not required.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Eye protection not required under normal conditions.

Skin Protection
Not required.

Respiratory Protection
No respirator is required under normal conditions of use.

Glove Recommendations
Not required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Yellow ointment</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight phenol</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Mustard yellow</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Other Information
No additional information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity
Not known to occur.
Material Name: Xeroform Non-occlusive Dressing

Chemical Stability
Stable under normal conditions of use.

Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

Conditions to Avoid
Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials
Strong oxidizing agents

Hazardous decomposition products
Oxides of carbon, oxides of bismuth, hydrobromic acid, smoke, fumes

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
No information on significant adverse effects.

Skin Contact
No information on significant adverse effects.

Eye Contact
May cause mild eye irritation.

Ingestion
Large doses may cause diarrhea, nausea, vomiting.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
- Petroleum jelly (8009-03-8)
- Dermal LD50 Rabbit 3600 mg/kg
- Polyoxyethylated Vegetable Oil (9004-98-2)
- Oral LD50 Rat 2700 mg/kg
- Dodecyl alcohol, ethoxylated (9002-92-0)
- Oral LD50 Rat 1 g/kg

Immediate Effects
May cause mild eye irritation.

Delayed Effects
No information on significant adverse effects.

Irritation/Corrosivity Data
May cause mild eye irritation.

Respiratory Sensitization
No data available.

Dermal Sensitization
No data available.
Safety Data Sheet

Material Name: Xeroform Non-occlusive Dressing

Component Carcinogenicity
None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

Germ Cell Mutagenicity
No data available.

Reproductive Toxicity
No data available.

Specific Target Organ Toxicity - Single Exposure
No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure
No target organs identified.

Aspiration hazard
No hazard expected.

Medical Conditions Aggravated by Exposure
No data available.

Additional Data
No additional information available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity
Avoid release to the environment.

Component Analysis - Aquatic Toxicity
No LOLI ecotoxicity data are available for this product's components

Persistence and Degradability
No information available for the product.

Bioaccumulative Potential
No information available for the product.

Mobility
No information available for the product.

Other Toxicity
No additional information available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose in accordance with all applicable regulations.
Section 14 - TRANSPORT INFORMATION

US DOT Information:
Shipping Name: Not applicable
Hazard Class: Not applicable
UN/NA #: Not regulated
Packing Group: Not applicable
Required Label(s): Not applicable
Additional information: No additional information available

IATA Information:
Shipping Name: Not applicable
Hazard Class: Not applicable
UN#: Not regulated
Packing Group: Not applicable
Required Label(s): Not applicable
Additional information: Consult current IATA regulations prior to shipping by air

IMDG Information:
Shipping Name: Not applicable
Hazard Class: Not applicable
UN#: Not regulated
Packing Group: Not applicable
Required Label(s): Not applicable
Additional information: No additional information available

TDG Information:
Shipping Name: Not applicable
Hazard Class: Not applicable
UN#: Not regulated
Packing Group: Not applicable
Required Label(s): Not applicable
Additional information: No additional information available

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b).

Not listed under California Proposition 65

Canadian WHMIS Ingredient Disclosure List (IDL)
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in
products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

<table>
<thead>
<tr>
<th>Material</th>
<th>SDS ID</th>
<th>IDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyoxyethylated Vegetable Oil</td>
<td>9004-98-2</td>
<td>1 %</td>
</tr>
<tr>
<td>Dodecyl alcohol, ethoxylated</td>
<td>9002-92-0</td>
<td>1 %</td>
</tr>
</tbody>
</table>

**Summary of Changes**

New SDS: May 7, 2015

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICACO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

**Other Information**

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