

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078740903

N/A

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Aquaflo™ Hydrogel Wound Dressing,  
Maternimates™ Gel Discs,  
Mother Mates

**Use/Size** Wound Dressings, Gel Discs

**Product Numbers** 8884-476139, 8884-476154  
17262, 17264  
9403, 9403B, 9404

**Manufacturer/Supplier** Covidien, LP

**Address** 15 Hampshire Street  
Mansfield, MA 02048

**Phone Number** (508) 261-8000 (Monday – Friday 8:00 am to 5:00 pm)

**Chemtrec Number** (800) 424-9300

**Revision Date:** May 3, 2013

**MSDS Date:** September 22, 1998

*This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)*

## 2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Polyoxyethylene Glycol	25322-68-3 200-849-9	5.00 -20.00%	R-None	None
Propylene Glycol	57-55-6 200-338-0	5.00 -20.00%	R-None	None
Water	7732-18-5 231-791-2	20.00 -70.00%	R-None	None
Proprietary Urethane Polymer	N.A. No EC #	10.00 -30.00%	R-None	None
Polyoxyalkyleneamine	65605-36-9	0.20 -2.00%	R-None	None

## 3. HAZARD IDENTIFICATION

**EU Main Hazards**

Not classified as hazardous.

**Routes of Entry**

- Eye contact - Skin contact

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

- Eye - Skin

**Health Effects - Eyes**

Contact may cause very slight irritation.

**Health Effects - Skin**

This product is non-irritating to the skin and skin absorption is not associated with any health effects.  
Does not cause irritation or sensitization.

**Health Effects - Ingestion**

No adverse effects are expected.

**Health Effects - Inhalation**

No adverse effects are expected during normal conditions of use.

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## 4. FIRST AID MEASURES

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**Eyes**

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

**Skin**

If skin irritation develops, or other symptoms occur, discontinue use. Seek medical attention if symptoms persist.

**Ingestion**

Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

**Inhalation**

If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

**Advice to Physicians**

Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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**Extinguishing Media**

Use water spray, foam, dry chemical or carbon dioxide.

**Unusual Fire and Explosion Hazards**

This product may give rise to hazardous fumes in a fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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This product, in final form, is a wound dressing, and is not expected to present a spill or release hazard. No specific measures necessary.

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## 7. HANDLING AND STORAGE

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Keep container tightly closed when not in use. Storage area should be: - cool - dry - well ventilated

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

**Polyoxyethylene Glycol**

None assigned.

**Propylene Glycol**

None assigned.

**Water**

None assigned.

**Proprietary Urethane Polymer**

None assigned.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Polyoxyalkyleneamine**

None assigned.

**Engineering Control Measures**

No specific measures necessary.

**Respiratory Protection**

Respiratory protection not normally required.

**Hand Protection**

Skin protection not normally required.

**Eye Protection**

Chemical goggles or safety glasses with side shields

**Body Protection**

Normal work wear.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Gel
<b>Color</b>	Translucent
<b>Odor</b>	Slight polyol
<b>pH</b>	Slightly Alkaline
<b>Boiling Range/Point (°C/F)</b>	No data.
<b>Flash Point (PMCC) (°C/F)</b>	No data.
<b>Explosion Limits (%)</b>	No data.
<b>Vapor Pressure</b>	No data.
<b>Density</b>	No data.
<b>Solubility in Water</b>	No data.
<b>Vapor Density (Air = 1)</b>	No data.
<b>Viscosity (cSt)</b>	No data.

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**10. STABILITY AND REACTIVITY**

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**Stability**

Stable under normal conditions.

**Conditions to Avoid**

- Heat - High temperatures - Pressure - Mechanical shock

**Materials to Avoid**

None known.

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

- oxides of carbon - oxides of nitrogen

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity**

Aquaflo™ Hydrogel Wound Dressing saline extract did not cause significant cytotoxicity.

Aquaflo™ Hydrogel Wound Dressing saline extract did not cause systemic toxicity by subcutaneous and intraperitoneal injections at 2, 24, 48 and 72 hours.

Aquaflo™ Hydrogel Wound Dressing did not cause erythema, edema or eschar formation from direct IM injections at 24, 48 and 72 hours.

Aquaflo™ Hydrogel Wound Dressing did not cause dermal sensitization, edema or erythema at 24 and 72 hours.

Aquaflo™ Hydrogel Wound Dressing caused significant encapsulation when injected intramuscularly into rodents. An inadvertent injection of this product does not pose a significant risk of harm based on negative systemic toxicity and the encapsulation by a tissue barrier preventing release of non-soluble components into the body.

There were no statistically different (95% confidence limit) product-related mortalities, clinical signs of toxicity, loss in body weight or microscopic tissue pathology observed in groups of 10 mice of each sex repeatedly injected with a saline extract of the product every day for 5 days over 4 weeks.

**Chronic Toxicity/Carcinogenicity**

This product is not expected to cause long-term adverse health effects.

**Genotoxicity**

Saline and DMSO extracts of Aquaflo™ Hydrogel Wound Dressing tested for genotoxicity using the Ames Mutagenic Assay system was negative.

**Reproductive/Developmental Toxicity**

This product is not expected to cause reproductive or developmental health effects.

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## 12. ECOLOGICAL INFORMATION

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

The product is readily biodegradable.

**Bio-accumulation**

Product is not expected to bioaccumulate.

**Ecotoxicity**

No relevant studies identified.

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## 13. DISPOSAL

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Dispose of in accordance with all applicable local and national regulations.

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## 14. TRANSPORT INFORMATION

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**DOT CFR 172.101 Data**

Not Regulated

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**14. TRANSPORT INFORMATION**

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<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.

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**15. REGULATORY INFORMATION**

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**EU Label Information**

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

**EU Hazard Symbol and Indication of Danger**

According to EC Commission Directive 67/548/EEC this product is not classified.

**R phrases**

None.

**S phrases**

None.

**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS****TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

**EINECS Listing**

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

**DSL/NDSL (Canadian) Listing**

This product contains ingredients which are not listed on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

**MA Right To Know Law**

This product does not contain any chemicals listed on the Massachusetts Right To Know Substance List.

**PA Right To Know Law**

This product does not contain any chemicals on the Pennsylvania Hazardous Substance List. – Propylene glycol

**NJ Right To Know Law**

This product does not contain any chemicals on the New Jersey Workplace Hazardous Substance List.

**California Proposition 65**

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

**SARA Title III Sect. 302 (EHS)**

This product does not contain any chemicals subject to SARA Title III Section 302.

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## 15. REGULATORY INFORMATION

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**SARA Title III Sect. 304**

This product does not contain any chemicals subject to SARA Title III Section 304.

**SARA Title III Sect. 311/312 Categorization**

This product does not meet any of the SARA Title III Section 311/312 categorizations.

**SARA Title III Sect. 313**

This product does not contain a chemical that is listed in Section 313 at or above de minimis concentrations.

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## 16. OTHER INFORMATION

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**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 0

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 0

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

EU: European Union

R: Risk

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

**Prepared By:** EnviroNet LLC.

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