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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product Name** KERLIX® AMD Super Sponges  
KERLIX® AMD Rolls  
Excilon® AMD Sponges  
TELFAX AMD Sponges  
CURITY® AMD Packing Strips  
CURITY® AMD Gauze Sponges

**Use/Size** Wound Dressings

**Product Numbers** 6662, 6665, 6660, 3331, 3332, 7088, 7089, 7662, 7663, 7665, 7666, 7667, 7668, 7831AMD, 7832AMD, 7833AMD, 2506, 2533, 2539, 44133, 55511AMD, 55511AMD, 55512AMD, 55522AMD, 55522AMD, 55523AMD, 55523bAMD, 55535AMD, 55535pAMD, 55544AMD, 55544AMD, 55544BAMD, 55544PAMD, 55546AMD, 55546BAMD, 55548AMD, 55566AMD, 55566AMD, 55566BAMD, 55588AMD, 55588AMD, 55588BAMD, 55523BAMD, 55544BAMD, 55546BAMD, 55566BAMD, 55588BAMD

**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:** July 24, 2000

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

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**2. COMPOSITION/INFORMATION ON THE COMPONENTS**

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<b>Component Name</b>	<b>CAS#/Codes</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>Classification</b>
Poly(Hexamethylenebiguanide) hydrochloride	27083-27-8 No EC #	0.20%	R-None	None
Water	7732-18-5 231-791-2	>99.00%	R-None	None

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**3. HAZARD IDENTIFICATION**

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**EU Main Hazards**

Not classified as hazardous.

**Routes of Entry**

- Eye contact - Ingestion - Skin contact

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

- Eye

**Health Effects – Eyes**

Contact may cause slight transient irritation.

**Health Effects – Skin**

This product is non-irritating to the skin. Prolonged, repeated overexposure may cause allergic sensitization.

**Health Effects – Ingestion**

A large dose may have the following effects:

- nausea - vomiting - diarrhea - gastrointestinal irritation

**Health Effects – Inhalation**

No adverse effects are expected.

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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**

Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

**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**

Not Flammable. Select extinguishing agent appropriate to other materials involved.

**Unusual Fire and Explosion Hazards**

None known.

**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 may be collected by carefully scooping into a pan, paper towel or other absorbent material. Transfer into suitable containers for recovery or disposal. No specific measures necessary. Prevent the material from entering drains or watercourses.

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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  
- away from incompatible materials

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

**Poly(Hexamethylenebiguanide) hydrochloride**

None assigned.

**Engineering Control Measures**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

**Respiratory Protection**

Respiratory protection not normally required.

**Hand Protection**

Skin protection not normally required.

**Eye Protection**

Eye protection not normally required. However, care should be taken to avoid accidental exposure.

**Body Protection**

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Non-woven cloth/sponge saturated with liquid
<b>Color</b>	Colorless - Pale Yellow
<b>Odor</b>	Odorless
<b>PH</b>	5-5.5 at 10% w/w in water.
<b>Specific Gravity</b>	~1.04
<b>Boiling Range/Point (°C/F)</b>	102 / 215.6
<b>Melting Point (°C/F)</b>	No data.
<b>Flash Point (PMCC) (°C/F)</b>	Not Flammable
<b>Explosion Limits (%)</b>	No data.
<b>Vapor Pressure</b>	No data.
<b>Density</b>	No data.
<b>Solubility in Water</b>	Completely soluble
<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

**Materials to Avoid**

None known.

**Hazardous Polymerization**

Will not occur.

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## 10. STABILITY AND REACTIVITY

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**Hazardous Decomposition Products**

- oxides of carbon - hydrogen chloride

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity**

Low order of acute toxicity. No adverse effects were observed in human studies using intact and abraded skin. PHMB is a methemoglobinemia former. No adverse effects are expected at the concentrations found in this product.

**Chronic Toxicity/Carcinogenicity**

This product is not expected to cause long term adverse health effects. PHMB induced an increase in cancer in mice when administered at very high doses. Under the conditions of anticipated use of this product, PHMB does not pose a risk to man.

**Genotoxicity**

This product is not expected to cause any mutagenic effects.

**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**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

The product may be harmful to aquatic organisms.

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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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<b>DOT CFR 172.101 Data</b>	Not Regulated
<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.

**EC Annex I Classification**

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 (Canadian) Listing**

All ingredients in this product are listed on the Domestic Substance List (DSL).

**MA Right To Know Law**

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at the de minimus concentration have been identified in the hazardous ingredients section of the MSDS.

**PA Right To Know Law**

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

**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.

**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 minimus concentrations.

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## 16. OTHER INFORMATION

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**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

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## 16. OTHER INFORMATION

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NFPA Code for Special Hazards - 0

### HMIS Ratings

HMIS Code for Flammability - 0

HMIS Code for Health - 1

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.

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