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HC#43
Pg. 01**KENDALL****MATERIAL SAFETY DATA SHEET**
AquaFlo™ Hydrogel Wound Dressing
SDG0031 1.00 US EA MSDS_SDG**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name AquaFlo™ Hydrogel Wound Dressing
Use/Size Wound Dressings
Product Numbers 8884-476105, 8884-476139, 8884-476154
Manufacturer/Supplier The Kendall Company
Address 15 Hampshire Street
 Mansfield, MA 02048

Phone Number (508) 261-8000
Chemtrec Number (800) 424-9300
Revision 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. Exempt	10.00 -30.00%	R-None	None
Polyoxyalkyleneamine	65605-36-9	0.20 -2.00%	R-None	None

3. HAZARD IDENTIFICATION

Main Hazards
Not classified as hazardous.

Routes of Entry
- None

Carcinogenic Status
Not considered carcinogenic by NTP, IARC, and OSHA.

I- 372704 C-8884476105
 I- 372705 C-8884476139
 I- 372706 C-8884476154

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3. HAZARD IDENTIFICATION

Target Organs
None

Health Effects - Eyes
No adverse effects are expected.

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.

4. FIRST AID MEASURES

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

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.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Polyoxyethylene Glycol
None assigned.

Propylene Glycol

None assigned.

Water

None assigned.

Proprietary Urethane Polymer

None assigned.

Polyoxyalkylamine

None assigned.

Engineering Control Measures

No specific measures necessary.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

- Heat - High temperatures - Pressure - Mechanical shock

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10. STABILITY AND REACTIVITY

Materials to Avoid

None known.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

- oxides of carbon - oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

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

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.

13. DISPOSAL

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

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	Not Regulated
UN Class	None.
UN Number	None.
UN Packaging Group	None.

15. REGULATORY INFORMATION

Labelling Information	<input type="checkbox"/> Not classified - Health	<input type="checkbox"/> Not classified - Safety	<input type="checkbox"/> Not classified - Environment
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EC Annex I Classification

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

R phrases

None.

S phrases

None.

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15. REGULATORY INFORMATION

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

This product contains the following ingredient(s) that have not been verified for inclusion on the European Inventory of Existing Commercial Chemical Substances (EINECS) or the European List of New Chemical Substances: - Polyoxyalkylamine (65605-36-9)

DSL/NDSL (Canadian) Listing

All ingredients in this product are 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.

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 which is listed in Section 313 at or above de minimis concentrations.

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16. OTHER INFORMATION

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
R: Risk
S: Safety
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
BOD: Biological Oxygen Demand
K_{oc}: 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, The Kendall Company 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.