

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** TENDERWRAP UNNA-BOOT  
**Use/Size** Gauze wound dressing  
**Product Numbers** 8033, 8034  
**Manufacturer/Supplier** Tyco Healthcare/ Kendall  
**Address** 15 Hampshire Street  
 Mansfield, MA 02048  
**Phone Number** (508) 261-8000 (Monday – Friday 8:00 am to 5:00 pm)  
**Chemtec Number** (800) 424-9300  
**Revision Date:** January 30, 2004  
**MSDS Date:** September 14, 1999

*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
Petrolatum	8009-03-8 232-373-2	>15.00%	R-None	None
Zinc Oxide	1314-13-2 215-222-5	15.00-30.00%	R-None	None
Glycerin	56-81-5 200-289-5	15.00-30.00%	R-None	None
Petroleum Compound	Trade Secret	<10.00%	R-None	None

## 3. HAZARD IDENTIFICATION

**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 - Skin

**Health Effects - Eyes**

Contact may cause slight transient irritation.

**Health Effects - Skin**

Material may cause slight irritation on prolonged or repeated contact.

**Health Effects - Ingestion**

A large dose may have the following effects:

- nausea - vomiting - diarrhea - abdominal pain - obstruction

**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**

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.

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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.

**Petrolatum**

None assigned.

**Zinc Oxide**

None assigned.

**Glycerin**

None assigned.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Petroleum Compound**

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>	Putty
<b>Color</b>	White
<b>Odor</b>	Characteristic
<b>pH</b>	No data.
<b>Specific Gravity</b>	No data.
<b>Boiling Range/Point (°C/F)</b>	No data.
<b>Melting Point (°C/F)</b>	No data.
<b>Flash Point (PMCC) (°C/F)</b>	Exceeds 300 F.
<b>Explosion Limits (%)</b>	No data.
<b>Vapor Pressure</b>	No data.
<b>Density</b>	No data.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<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

**Materials to Avoid**

- Strong oxidizing agents

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## 10. STABILITY AND REACTIVITY

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### **Hazardous Polymerization**

Will not occur.

### **Hazardous Decomposition Products**

- acrid smoke and irritating fumes - oxides of carbon - zinc oxide fumes

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## 11. TOXICOLOGICAL INFORMATION

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### **Acute Toxicity**

Low order of acute toxicity predicted.

Zinc Oxide: Oral LD50 (mouse) 7950mg/kg. A 500 mg dose applied to the rabbit eye for 24 hours caused mild irritation.

### **Chronic Toxicity/Carcinogenicity**

Zinc Oxide: Long-term inhalation exposure (15 mg/m<sup>3</sup>/8hours/84 days) in rats caused pulmonary inflammation and changes in pulmonary function. In multidose studies with guinea pigs, inhalation exposure (4600-5900 ug/m<sup>3</sup>/3-6 days) caused changes in the respiratory organs and biochemical effects.

### **Genotoxicity**

Zinc Oxide: DNA damage (E.coli); cytogenetic analysis (rat, in vivo); oncogenic transformation, unscheduled DNA synthesis, and sister chromatid exchange (hamster, embryo); unscheduled DNA synthesis (guinea pig, in vivo).

### **Reproductive/Developmental Toxicity**

Zinc Oxide: Oral administration to rats during pregnancy (6846 mg/kg) caused developmental abnormalities and an increased incidence of stillbirths.

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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**

(Glycerin)

Tests on the following species gave a 24h LC50 >5000 mg/litre - goldfish

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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.

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**14. TRANSPORT INFORMATION**

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<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 (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 or above the de minimus concentration include: - Glycerin

**PA Right To Know Law**

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List:  
- Zinc Oxide - Glycerin

**NJ Right To Know Law**

This product contains the following chemicals found on the NJ Right To Know Hazardous Substance List: - Zinc Oxide - Gum Acacia

**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**

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

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## 15. REGULATORY INFORMATION

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**SARA Title III Sect. 313**

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: - Zinc Oxide (1314-13-2)

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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.

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