

# Safety Data Sheet

Material Name: Curafil™ Gel Wound Dressing

SDS ID: COV-033

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## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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### Material Name

Curafil™ Gel Wound Dressing

### Trade Names

9250, 9251, 9252

### Product Use

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

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## Section 2 - HAZARDS IDENTIFICATION

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### 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

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**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.

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent (%)
56-81-5	Glycerin	< 65
57-55-6	Propylene glycol	< 40

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## Section 4 - FIRST AID MEASURES

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**Inhalation**

It is unlikely that first aid will be required. Not a likely route of exposure.

**Skin**

It is unlikely that first aid will be required. Wash exposed skin with soap and water. If skin irritation occurs, get medical advice/attention.

**Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

**Ingestion**

Do NOT induce vomiting. 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 skin irritation. May cause mild eye irritation.

**Delayed**

No information on significant adverse effects.

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## Section 5 - FIRE FIGHTING MEASURES

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**Extinguishing Media**

**Suitable Extinguishing Media**

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

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## **Unsuitable Extinguishing Media**

None known.

## **Special Hazards Arising from the Chemical**

Slight fire hazard.

## **Hazardous Combustion Products**

Oxides of carbon, acrolein, hydrocarbons, fumes

## **Fire Fighting Measures**

Avoid inhalation of material or combustion by-products.

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## **Section 6 - ACCIDENTAL RELEASE MEASURES**

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### **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.

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## **Section 7 - HANDLING AND STORAGE**

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### **Precautions for Safe Handling**

Avoid inhalation of material or combustion by-products.

### **Conditions for Safe Storage, Including any Incompatibilities**

Store in a cool, dry place.

### **Incompatible Materials**

Acids, bases, strong oxidizing agents, metal salts

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## **Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **Component Exposure Limits**

Glycerin	56-81-5
OSHA (US):	15 mg/m <sup>3</sup> TWA mist, total particulate; 5 mg/m <sup>3</sup> TWA mist, respirable fraction
Mexico:	10 mg/m <sup>3</sup> TWA LMPE-PPT mist

### **Biological limit value**

There are no biological limit values for any of this product's components.

### **Engineering Controls**

Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

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## Individual Protection Measures, such as Personal Protective Equipment

### Eye/face protection

Safety glasses or goggles are recommended when there is a potential for eye contact.

### Skin Protection

Not required.

### Respiratory Protection

Respiratory protection is not necessary if room is well ventilated.

### Glove Recommendations

Protective gloves are not required.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless gel	<b>Physical State</b>	Solid
<b>Odor</b>	Odorless	<b>Color</b>	Colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	6.5 - 7.5 , conc: 10 % solution in water
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	100 °C (212 °F)
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	1.01
<b>Water Solubility</b>	Soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available		

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## **Other Information**

No additional information available.

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## **Section 10 - STABILITY AND REACTIVITY**

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### **Reactivity**

No reactivity hazard is expected.

### **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**

Acids, bases, strong oxidizing agents, metal salts

### **Hazardous decomposition products**

Oxides of carbon, acrolein, hydrocarbons, fumes

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## **Section 11 - TOXICOLOGICAL INFORMATION**

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### **Information on Likely Routes of Exposure**

#### **Inhalation**

Not a likely route of exposure.

#### **Skin Contact**

May cause mild skin irritation.

#### **Eye Contact**

May cause mild eye irritation.

#### **Ingestion**

No information on significant adverse effects.

### **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:

Glycerin (56-81-5)

Oral LD50 Rat 12600 mg/kg

Dermal LD50 Rabbit >10 g/kg

Inhalation LC50 Rat >570 mg/m<sup>3</sup> 1 h

Propylene glycol (57-55-6)

Oral LD50 Rat 20 g/kg

Dermal LD50 Rabbit 20800 mg/kg

#### **Immediate Effects**

May cause mild skin irritation. May cause mild eye irritation.

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## **Delayed Effects**

No information on significant adverse effects.

## **Irritation/Corrosivity Data**

May cause mild skin irritation. May cause mild eye irritation.

## **Respiratory Sensitization**

No data available.

## **Dermal Sensitization**

No data available.

## **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 data available.

## **Medical Conditions Aggravated by Exposure**

No data available.

## **Additional Data**

No additional information available.

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## **Section 12 - ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

Avoid release to the environment.

### **Component Analysis - Aquatic Toxicity**

Glycerin	56-81-5
Fish:	LC50 96 h Oncorhynchus mykiss 51 - 57 mL/L [static]
Propylene glycol	57-55-6
Fish:	LC50 96 h Oncorhynchus mykiss 51600 mg/L [static]; LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static]; LC50 96 h Pimephales promelas 51400 mg/L [static]; LC50 96 h Pimephales promelas 710 mg/L
Algae:	EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L IUCLID

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Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L [static] EPA
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## 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.

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## Section 13 - DISPOSAL CONSIDERATIONS

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### Disposal Methods

Dispose in accordance with all applicable regulations.

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## Section 14 - TRANSPORT INFORMATION

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### 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

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**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

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## Section 15 - REGULATORY INFORMATION

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### U.S. Federal Regulations

None of this products 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

Propylene glycol	57-55-6
	1 %

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## Section 16 - OTHER INFORMATION

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### Summary of Changes

New SDS: May 11, 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; ICAO - 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; NJTSR - 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

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## **Other Information**

### **Disclaimer:**

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