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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product Name** Curasorb  
**Use/Size** 12" Rope, 2x2", 4x4", 4x5.5",  
8x4", 6x10", 12x24", 24" Rope,  
36" Rope  
**Product Numbers** 9231, 9232, 9233, 9236, 9240  
9238, 9239, 9242, 9243, 9244  
**Manufacturer/Supplier** Covidien, LP  
**Address** 15 Hampshire Street  
Mansfield, MA 02048  
**Phone Number** (508) 261-8000  
**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)*

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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>
Calcium Alginate	N.A.	100.00%	R-None	None

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**3. HAZARD IDENTIFICATION**

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**Main Hazards**

Not classified as hazardous.

**Routes of Entry**

- Inhalation of dusts

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

- Lung

**Health Effects - Eyes**

No adverse effects are expected.

**Health Effects - Skin**

No adverse effects are expected.

**Health Effects - Ingestion**

A large dose may have the following effects:

- diarrhea

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### 3. HAZARD IDENTIFICATION

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**Health Effects - Inhalation**

Exposure to dust at high concentrations may have the following effects:

- difficulty with breathing - obstruction

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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. 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 or foam.

**Unusual Fire and Explosion Hazards**

Avoid the formation of dust clouds.

**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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Sweep up 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  
- away from incompatible materials

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational Exposure Standards****Calcium Alginate**

An exposure limit of 10mg/m<sup>3</sup> is recommended.  
(particulate)

**Engineering Control Measures**

No specific measures necessary.

**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>	Solid fibers
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>pH</b>	Neutral
<b>Boiling Range/Point (°C/F)</b>	No data.
<b>Melting Point (°C/F)</b>	No data.
<b>Flash Point (PMCC) (°C/F)</b>	No data.
<b>Auto-flammability (deg C)</b>	Above 200.
<b>Explosion Limits (%)</b>	No data.
<b>Vapor Pressure</b>	No data.
<b>Density</b>	No data.
<b>Solubility in Water</b>	Insoluble
<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**

- Exposure to water or moisture

**Materials to Avoid**

- Oxidizing agents

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

- oxides of carbon

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity**

Not available

**Chronic Toxicity/Carcinogenicity**

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

**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**

The product is readily biodegradable.

**Bio-accumulation**

No relevant studies identified.

**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**

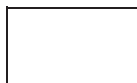
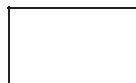
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<b>DOT CFR 172.101 Data</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.

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**15. REGULATORY INFORMATION**

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**Labelling Information**Not classified -  
HealthNot classified -  
SafetyNot classified -  
Environment**EC Annex I Classification**

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

**R phrases**

None

**S phrases**

None.

**TSCA Listing**

All ingredients have been verified for inclusion on the EPA Toxic Substance Control Act Chemical Substance Inventory.

**EINECS Listing**

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

**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.

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## 15. REGULATORY INFORMATION

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**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

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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

R: Risk

S: Safety

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**16. OTHER INFORMATION**

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LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
BOD: Biological Oxygen Demand  
KoC: Soil Organic Carbon Partition Coefficient

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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