



Advanced Applications

Material Safety Data Sheet  
Version Number: 1

Address: Sterigenics International, Inc.  
Advanced Applications  
75 Tilbury Road  
Salem, NJ 08079

Effective Date: June 2004

24 Hour Emergency Assistance: (856) 935-1400

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## **Raprex™ R-100**

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### **SECTION 1 - CHEMICAL PRODUCT IDENTIFICATION**

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|-----|---|--|
| 1a. | Trade Name  | Raprex™ R-100  |
| 1b. | This MSDS applies to the product codes listed in this section | R-100  |
| 1c. | Chemical Name/Synonyms  | Polymer of Butene, Ethene and Product Stabilizers and Colorant |

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### **SECTION 2 - COMPOSITION INFORMATION**

#### **INGREDIENTS**

	<b>Ingredient Name</b>	<b>CAS Number</b>	<b>%</b>
2a.	Polymer of Butene & Ethene	25213-02-9	≤ 99.9%
	Product Stabilizers	Mixture	≤ 0.1%

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### **SECTION 3 - HAZARD INFORMATION**

CAUTION! PLASTIC BAG OR LINER MAY CAUSE STATIC IGNITION HAZARD. DO NOT HANDLE BAGS OR LINERS IN THE PRESENCE OF FLAMMABLE VAPOR. EXPOSURE TO DUST AND PROCESSING FUMES MAY CAUSE IRRITATION OF SKIN, EYES, AND RESPIRATORY TRACT. USE APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING.

THIS PRODUCT IS NOT INTENDED FOR PROLONGED CONTACT WITH MUCOUS MEMBRANES, ABRADED SKIN, BODY FLUIDS, OR IMPLANTATION WITHIN THE HUMAN BODY UNLESS IT HAS BEEN SAFETY TESTED.

- 3a. Effects of acute over exposure: Low order of toxicity  
3b. Effects of chronic over exposure: Low order of toxicity  
3c. OSHA permissible exposure limit: 5 mg/m<sup>3</sup> respirable dust  
15 mg/m<sup>3</sup> total dust  
ACGIH TLV 3 mg/m<sup>3</sup>
- 3d. Carcinogen potential:  
    OSHA: Not Listed  
    National Toxicology Program: Not Listed  
    I.A.R.C. Monographs: Not Listed

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**SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES**

- 4a. Inhalation: Move to fresh air if inhaled. In case of irritation of respiratory system or mucous membranes, seek medical attention, If effected person feels unwell, seek medical advice. In case of prolonged exposure, seek medical attention.
- 4b. Eyes: Immediately flush from eyes with water for at least 15 minutes; get medical attention.
- 4c. Skin: Wash off with soap and water. Do not use organic solvents. Cool skin rapidly if contacted with molten polymer. Obtain medical attention for thermal burns.
- 4d. Ingestion: Immediately give plenty (>500 cc) of water. In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Give water repeatedly, Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in case of unconsciousness or convulsion. Seek medical advice.

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**SECTION 5 - FIRE AND EXPLOSION DATA**

- 5a. Flash point: Not determined  
5b. Upper Explosive Limit: Not determined  
5c. Lower explosive Limit: Not determined  
5d. Auto ignition temperature: Not determined  
5e. Extinguishing media: Dry chemical, water fog, foam, carbon dioxide  
5f. Special fire and explosion hazards: Dense smoke emitted when burned without sufficient oxygen. Possible dust explosion if polymer fines accumulate. Be careful of possible static explosion. Wear standard fire fighting attire.



Advanced Applications

Material Safety Data Sheet  
Version Number: 1

Page Three  
Raprex™ R-100 MSDS  
Effective Date June 2004

### SECTION 6 - SPILLS AND DISPOSAL

- 6a. Land Spill: Spilled material should be swept up and discarded. Use care as the pellets are extremely slippery. Comply with applicable federal, state or local regulations.
- 6b. Water Spill: Advise local authorities if spilled in waterway or sewer. Skim from surface of water if possible. The product is moderately toxic to aquatic organisms.
- 6c. Waste disposal: Dispose in accordance with local and federal regulations
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### SECTION 7 - STORAGE AND HANDLING

Inspect handling system regularly for possible accumulation of polymer fines. Polymer fines can present an explosion hazard when exposed to heat, sparks or flames. Ventilate before unloading to prevent possible explosion hazard. Use proper grounding procedures.

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### SECTION 8 - PROTECTIVE MEASURES

Wear safety glasses, face shield or chemical goggles to avoid getting material in the eyes during handling.

Wear protective sleeves and face shield when processing material at elevated temperatures to minimize possibility of thermal burns.

Adequate ventilation is recommended to minimize accumulation of polymer fines or vapors during processing and handling. A NIOSH approved respirator may be needed in areas with a high accumulation of fines.

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### SECTION 9 - PHYSICAL DATA

- 9a. Appearance and Odor: Odorless/off-white pellets
- 9b. Boiling Point: Not applicable
- 9c. Solubility: Insoluble in Water
- 9d. Evaporation: Not applicable
- 9e. Specific Gravity: 0.945-0.960 g/cm<sup>3</sup> @23° C
- 9f. Vapor Pressure: Not Applicable
- 9g. Melting Point: Not determined
- 9h. Vapor Density: Not Applicable
- 9i. Percent Volatile: Negligible



Advanced Applications

Material Safety Data Sheet  
Version Number: 1

Page Four  
Raprex™ R-100 MSDS  
Effective Date: June 2004

### SECTION 10 - REACTIVITY

- 10a. Stability: The material is stable.
- 10b. Hazardous Polymerization: Hazardous Polymerization will not occur.
- 10c. Conditions to avoid: Avoid temperatures over 650° F. Avoid storage or contact with strong oxidizing agents
- 10d. Combustion Products: The following combustion products may be generated: carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.

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### SECTION 11 - ADDITIONAL REGULATORY INFORMATION

This material is not regulated by US Department of Transportation.

TSCA Classification: Listed or exempt

This material does not contain any chemicals subject to Section 12(b)-US Export Notification.

This material is not subject to specific CERCLA reporting requirements.

This material is not subject to SARA 313 reporting requirements.

This material is not subject to California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) reporting.

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### SECTION 12 - MISCELLANEOUS INFORMATION

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