

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** DeRoyal Solidifier  
**MSDS Number:** MSDS-002  
**Product Description:** DeRoyal Solidifier is a granular powder used to solidify medical waste.  
**Product Numbers:** 71-1200, 71-1500, 71-2005, 71-3000, 71-9000, 71-18000, 71-0500, 71-1000, V71-1200, V71-1500, V71-2005, V71-3000, V71-9000, V71-18000, V71-0500, V71-1000

**COMPANY PROFILE:**  
DeRoyal Industries, Inc.  
200 DeBusk Lane  
Powell, TN 37849

**EMERGENCY PHONE: CHEMTREC 24 hrs.**  
**USA: 1 (800) 424 - 9300**  
**Outside USA: 1 (703) 527 - 3887**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Registry #	PEL mg/m <sup>3</sup>	TLV-TWA mg/m <sup>3</sup>	TLV-STEL mg/m <sup>3</sup>
Sodium polyacrylate	9033-79-8	N/A	N/A	N/A

Notes: N/A - Not Applicable

## 3. HAZARDS IDENTIFICATION

### Primary routes of entry

Eye  Inhalation  Skin  Ingestion

### Carcinogen listed in

NTP  IARC  OSHA  Not Listed

### Potential health effects:

**Eye Contact:** May cause irritation

**Inhalation:** May cause irritation

**Ingestion:** Non-toxic

**Skin Contact:** May cause irritation

## 4. FIRST AID MEASURES

**Eye Contact:** Flush with large quantity of water, consult physician.

**Ingestion:** Non-toxic by ingestion, however, if adverse symptoms appear, consult physician.

**Inhalation:** Move to fresh air, consult physician.

**Skin Contact:** If irritation occurs, remove contaminated clothing and wash affected areas with soap and water. If irritation persists, consult physician.

## 5. FIRE FIGHTING MEASURES

**Flash Point:** N/A

**Method:** N/A

**Autoignition Temperature:** > 400°C

**Flammable Limits:** Not established

**Extinguishing Media:** Dry chemical, foam, carbon dioxide and water fog.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus. Extremely slippery conditions are created if spilled product comes in contact with water.

**NFPA Ratings:** Health: 1 Fire: 0 Reactivity: 0

## 6. ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedures:** Vacuum, using HEPA filter equipped system, if possible, to avoid generating airborne dust. Avoid adding water, the product will become slippery when wet.

## 7. HANDLING AND STORAGE

**Handling Precautions:** Avoid breathing powder. Avoid eye and skin contact. Store in tightly closed container.

**Storage Precautions:** Store in cool, dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust or mechanical, as appropriate.

### Personal protection

**Eyes:** Use of safety goggles is recommended.

**Respirator:** Use NIOSH/MSHA approved respirator with high efficiency filter for particulate levels above 0.05 mg/m<sup>3</sup>. Unnecessary in normal use.

**Skin:** Impervious rubber gloves

**Other:** None required in normal use conditions.

**Work/Hygienic Practices:** Use good housekeeping practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White granular powder

**Odor:** Odorless

**Vapor Pressure:** N/A

**Solubility in Water:** Swells in water

**Vapor Density (air=1):** N/A

**Evaporation Rate (n-butylacetate = 1):** N/A

**Specific Gravity (bulk density):** 0.62-0.74 g/ml

**Boiling Point:** N/A

**Percent Volatility (By wt):** N/A

## 10. STABILITY AND REACTIVITY

**General:** Stable

**Incompatible Materials:** None

**Conditions to Avoid:** Store protected from moisture. Keep away from heat and sources of ignition.

**Hazardous Decomposition/Hazardous Combustion:** Decomposition above 200°C

**Hazardous Polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Carcinogenicity

**IARC:** No

**LD50:** Not established

**NTP:** No

**LC50:** Not established

**OSHA:** No

## 12. ECOLOGICAL INFORMATION

This section is subject to future development.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with all Federal, State and Local environmental regulations.

## 14. TRANSPORT INFORMATION

Department of Transportation - Classification: N.A. Department of Transportation - Identification number: N.A.

## 15. REGULATORY INFORMATION

**CERCLA (Comprehensive Environmental Response Compensation and Liability Act):** No reportable quantity.

**OSHA Hazard Communication Standard, 29 CFR 1910.1200:** Yes

**SARA Title III (Superfund Amendments and Reauthorization Act):** No listed ingredient.

**TSCA (Toxic Substances Control Act):** Yes

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 ET.SEQ.).

## 16. OTHER INFORMATION

**Date of Original Preparation:** 03/09/2000

**Revision Date:** 7/5/2012

**Prepared by:** Riley N. Kinman, Ph.D., P.E.

**Approved by:** Wendy Riggs, DeRoyal Industries, Inc.

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