

## Safety Data Sheet



### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** • DeRoyal Solidifier

**CAS Number** • 9003-04-7

**Product Number** • 71-0500; 71-1000; 71-1200; 71-1500; 71-1500N; 71-18000; 71-2005; 71-3000; 71-3000N; 71-9000; V71-0500; V71-1000; V71-1200; V71-1500; V-71-18000; V71-2005; V71-3000; V71-9000

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified use(s)** • Used to solidify medical waste

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** • DeRoyal Industries, Inc.  
200 DeBusk Lane  
Powell, TN 37849  
United States  
www.deroyal.com  
customerservice@deroyal.com

**Telephone** • 800-251-9864  
(General)

#### 1.4 Emergency telephone number

• 800-424-9300 - CHEMTREC

### Section 2: Hazards Identification

#### EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

#### 2.1 Classification of the substance or mixture

**CLP** • Not classified

**DSD/DPD** • Not classified

#### 2.2 Label Elements

**CLP**

**Hazard statements** • No label element(s) required

**DSD/DPD**

**Risk phrases** • No label element(s) required

## 2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
- DSD/DPD** • This product is not considered dangerous under the European Directive 67/548/EEC
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## UN GHS

According to Third Revised Edition

### 2.1 Classification of the substance or mixture

- UN GHS** • Not classified

### 2.2 Label elements

**UN GHS**

- Hazard statements** • No label element(s) required

### 2.3 Other hazards

- UN GHS** • According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered not hazardous.
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## United States (US)

According to OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Not classified

### 2.2 Label elements

**OSHA HCS 2012**

- Hazard statements** • No label element(s) required

### 2.3 Other hazards

- OSHA HCS 2012** • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.
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## Canada

According to WHMIS

### 2.1 Classification of the substance or mixture

- WHMIS** • Not classified

### 2.2 Label elements

- WHMIS** • No label element(s) required.

### 2.3 Other hazards

- WHMIS** • In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).
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## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Sodium polyacrylate	CAS: 9003-04-7	> 85%	NDA	UN GHS: Not Classified EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA

### 3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation** • Move victim to fresh air. Seek medical attention if symptoms persist.
- Skin** • In case of contact with substance, immediately flush skin with running water for at least 20 minutes.
- Eye** • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Seek medical attention if symptoms persist.
- Ingestion** • Rinse mouth. Do not give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician** • No specific actions or treatments recommended related to exposure to this material.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media** • LARGE FIRE: Water spray, fog or regular foam.  
SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

- Unsuitable Extinguishing Media** • No data available.

### 5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • Extremely slippery conditions are created if spilled product comes in contact with water.

- Hazardous Combustion Products** • No data available.

### 5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Ventilate enclosed areas. Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE).
- Emergency Procedures**
- Avoid contact with water. Slippery conditions will result.

### 6.2 Environmental precautions

- Avoid run-off to waterways and sewers.

### 6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Avoid generating dust.  
SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.  
LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading. Avoid adding water, the product will become slippery when wet.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices. Use only with adequate ventilation. Avoid breathing dust. Minimize dust generation and accumulation. Wash thoroughly with soap and water after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a cool, dry place. Store in a tightly closed container.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

- Exposure Limits/Guidelines**
- No applicable exposure limits available for product or components.

### 8.2 Exposure controls

- Engineering Measures/Controls**
- Good general ventilation should be used.
- Personal Protective Equipment**
- Respiratory**
- None required.
- Eye/Face**
- Wear safety goggles.
- Skin/Body**
- Wear appropriate gloves.
- Environmental Exposure Controls**
- Follow best practice for site management and disposal of waste.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White granular powder with no odor.
Color	White	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	0.62 to 0.74 Water=1	Water Solubility	Swells in water
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

### 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under normal conditions of use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated.

### 10.4 Conditions to avoid

- Protect from moisture. Keep away from heat and ignition sources.

### 10.5 Incompatible materials

- None known.

### 10.6 Hazardous decomposition products

- Decomposition above 200°C

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

GHS Properties	Classification
Acute toxicity	<b>EU/CLP</b> •Acute Toxicity - Dermal - No data available; Acute Toxicity - Inhalation - No data available; Acute Toxicity - Oral - Inconclusive data <b>OSHA HCS 2012</b> •Acute Toxicity - Dermal - No data available; Acute Toxicity - Inhalation - No data available; Acute Toxicity - Oral - Inconclusive data <b>UN GHS</b> •Acute Toxicity - Dermal - No data available; Acute Toxicity - Inhalation - No data available; Acute Toxicity - Oral - Inconclusive data
Aspiration Hazard	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
Carcinogenicity	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
Germ Cell Mutagenicity	<b>EU/CLP</b> •Classification criteria not met <b>OSHA HCS 2012</b> •Classification criteria not met <b>UN GHS</b> •Classification criteria not met
Skin corrosion/Irritation	<b>EU/CLP</b> •Classification criteria not met <b>OSHA HCS 2012</b> •Classification criteria not met <b>UN GHS</b> •Classification criteria not met
Skin sensitization	<b>EU/CLP</b> •Classification criteria not met <b>OSHA HCS 2012</b> •Classification criteria not met <b>UN GHS</b> •Classification criteria not met
STOT-RE	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
STOT-SE	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
Toxicity for Reproduction	<b>EU/CLP</b> •Classification criteria not met <b>OSHA HCS 2012</b> •Classification criteria not met <b>UN GHS</b> •Classification criteria not met
Respiratory sensitization	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
Serious eye damage/Irritation	<b>EU/CLP</b> •Classification criteria not met <b>OSHA HCS 2012</b> •Classification criteria not met <b>UN GHS</b> •Classification criteria not met

### Potential Health Effects

#### Inhalation

##### Acute (Immediate)

- Exposure to dust may cause irritation.

##### Chronic (Delayed)

- No data available

#### Skin

<b>Acute (Immediate)</b>	<ul style="list-style-type: none"><li>• Exposure to dust may cause irritation.</li></ul>
<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"><li>• No data available.</li></ul>
<b>Eye</b>	
<b>Acute (Immediate)</b>	<ul style="list-style-type: none"><li>• Exposure to dust may cause irritation.</li></ul>
<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"><li>• No data available.</li></ul>
<b>Ingestion</b>	
<b>Acute (Immediate)</b>	<ul style="list-style-type: none"><li>• Excessive concentrations of nuisance dust in the workplace may cause irritation to mucous membranes.</li></ul>
<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"><li>• No data available.</li></ul>

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## Section 12 - Ecological Information

### 12.1 Toxicity

- No data available.

### 12.2 Persistence and degradability

- No data available.

### 12.3 Bioaccumulative potential

- No data available.

### 12.4 Mobility in Soil

- No data available.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.

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## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

<b>Product waste</b>	<ul style="list-style-type: none"><li>• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.</li></ul>
<b>Packaging waste</b>	<ul style="list-style-type: none"><li>• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.</li></ul>

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Regulated	Not Regulated	NDA	NDA	NDA
TDG	Not Regulated	Not Regulated	NDA	NDA	NDA
IMO/IMDG	Not Regulated	Not Regulated	NDA	NDA	NDA
IATA/ICAO	Not Regulated	Not Regulated	NDA	NDA	NDA

**14.6 Special precautions for user** • None specified.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • None

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Sodium polyacrylate	9003-04-7	No	No	No	No	No

### Canada

#### Labor

##### Canada - WHMIS - Classifications of Substances

•Sodium polyacrylate 9003-04-7 Not Listed

##### Canada - WHMIS - Ingredient Disclosure List

•Sodium polyacrylate 9003-04-7 Not Listed

#### Environment

##### Canada - CEPA - Priority Substances List

•Sodium polyacrylate 9003-04-7 Not Listed

### United States

#### Labor

##### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

•Sodium polyacrylate 9003-04-7 Not Listed

##### U.S. - OSHA - Specifically Regulated Chemicals

•Sodium polyacrylate 9003-04-7 Not Listed

#### Environment

##### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

•Sodium polyacrylate 9003-04-7 Not Listed

##### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

•Sodium polyacrylate 9003-04-7 Not Listed

##### U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

•Sodium polyacrylate 9003-04-7 Not Listed

##### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

•Sodium polyacrylate 9003-04-7 Not Listed



**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

•Sodium polyacrylate

9003-04-7 Not Listed

**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

•Sodium polyacrylate

9003-04-7 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

•Sodium polyacrylate

9003-04-7 Not Listed

**15.2 Chemical Safety Assessment**

- No Chemical Safety Assessment has been carried out.

**Section 16 - Other Information****Last Revision Date** • 30/October/2014**Preparation Date** • 30/October/2014

**Disclaimer/Statement of Liability** • The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

**Key to abbreviations**

NDA = No data available