



Safety Data Sheet

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

1.1 Product identifier

Product Name • Infant Heel Warmer & Infant Transport Mattress

Product Number • HNICU-100, HNICU-200

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

Relevant identified use(s) • The Heel Warmer is used to warm heel of infant to draw blood. The transport mattress prevents loss of neonatal body heat during transport.

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 (General) • 800-251-9864

1.4 Emergency telephone number

• 800-251-9864

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 • According to European Directive 1999/45/EC this material is not considered dangerous.

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.

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.

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).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Acetic acid, sodium salt, trihydrate	CAS: 6131-90-4	40%-44%	NDA	UN GHS: Not Classified EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Cellulose, carboxymethyl ether, sodium salt	CAS: 9004-32-4	0.03%-0.35%	Ingestion/Oral-Rat LD50 • 27000 mg/kg Inhalation-Rat LC50 • >5800 mg/m ³ 4 Hour(s) Skin-Rabbit LD50 • >2 g/kg	UN GHS: Aquatic Acute 3; Aquatic Chronic 3 EU DSD/DPD: Self Classified: R52/53 EU CLP: Self Classified: Aquatic Chronic 3, H412 OSHA HCS 2012: Comb. Dust	Combustible dust hazard is not applicable to the product in this form.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation** • Move victim to fresh air. Get medical attention if symptoms occur.
- Skin** • First-aid is not expected to be necessary under normal conditions of use. If packet ruptures during use and contents gets on skin wash with plenty of soap and water.
- Eye** • First-aid is not expected to be necessary under normal conditions of use. If packet ruptures during use and contents get in eyes, immediately flush with running water for at least 20 minutes. Seek medical attention if symptoms of irritation occur.
- Ingestion** • Rinse mouth with water. 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** • Water, Carbon Dioxide, or Dry Chemical
- Unsuitable Extinguishing Media** • No data available

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • None
- 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** • It is unlikely that this product, when spilled, will cause a problem; packaged as individual packets. Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE).
- Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- None expected to be necessary under normal conditions of use.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures** • Use normal clean up procedures. If packet ruptures, clean up spill with paper towels and place in appropriate container for later disposal.

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. Avoid overly rough handling of the packets during use.

7.2 Conditions for safe storage, including any incompatibilities

- Storage** • Store away from heat sources.

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** • No special engineering measures/controls expected to be necessary under normal conditions of use.
- Personal Protective Equipment**
- Respiratory** • None required under normal conditions of use.
- Eye/Face** • Wear appropriate eye protection.
- 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	Blue solid with no odor.
Color	Blue	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	No data available	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	No data available	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 will not occur.

10.4 Conditions to avoid

- None

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Oxides of carbon.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Acetic acid, sodium salt, trihydrate (40% - 44%)	CAS: 6131-90-4	Mutagen: Unscheduled DNA synthesis • Ingestion/Oral-Rat • 11 mmol/kg
Cellulose, carboxymethyl ether, sodium salt (0.03% - 0.35%)	CAS: 9004-32-4	Acute Toxicity: Ingestion/Oral-Mouse LD50 • >27 g/kg; Inhalation-Rat LC50 • >5800 mg/m ³ 4 Hour(s); Skin-Rabbit LD50 • >2 g/kg; Reproductive: Ingestion/Oral-Rat TDL • 140 mg/kg (14D male); <i>Reproductive Effects: Paternal Effects: Prostate, seminal vesicle, Cowper's gland, accessory glands</i>

GHS Properties	Classification
Acute toxicity	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Aspiration Hazard	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Carcinogenicity	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Germ Cell Mutagenicity	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Skin corrosion/Irritation	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Skin sensitization	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
STOT-RE	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
STOT-SE	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Toxicity for Reproduction	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Respiratory sensitization	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available
Serious eye damage/Irritation	EU/CLP •No data available OSHA HCS 2012 •No data available UN GHS •No data available

Potential Health Effects

Inhalation

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available

Skin

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available

Eye

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available

Ingestion

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available

Key to abbreviations

Lethal Dose

Toxic Dose

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.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

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
Acetic Acid, sodium salt, trihydrate	6131-90-4	No	No	No	No	No
Cellulose, carboxymethylether, sodium salt	9004-32-4	Yes	No	No	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Acetic Acid, sodium salt, trihydrate	6131-90-4	Uncontrolled product according to WHMIS classification criteria
• Cellulose, carboxymethylether, sodium salt	9004-32-4	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Acetic Acid, sodium salt, trihydrate	6131-90-4	Not Listed
• Cellulose, carboxymethylether, sodium salt	9004-32-4	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Acetic Acid, sodium salt, trihydrate	6131-90-4	Not Listed
• Cellulose, carboxymethylether, sodium salt	9004-32-4	Not Listed

United States

Labor

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

• Acetic Acid, sodium salt, trihydrate	6131-90-4	Not Listed
• Cellulose, carboxymethylether, sodium salt	9004-32-4	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Acetic Acid, sodium salt, trihydrate	6131-90-4	Not Listed
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- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed

Environment

- U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - CERCLA/SARA - Section 313 - Emission Reporting**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed

United States - California

Environment

- U.S. - California - Proposition 65 - Carcinogens List**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - California - Proposition 65 - Developmental Toxicity**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male**
- Acetic Acid, sodium salt, trihydrate 6131-90-4 Not Listed
- Cellulose, carboxymethylether, sodium salt 9004-32-4 Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

- Last Revision Date** • 15/April/2021
- Preparation Date** • 23/November/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
