# SAFETY DATA SHEET



INNOVANCE® Heparin Calibrator

### **Section 1. Identification**

Product identifier : INNOVANCE® Heparin Calibrator

**Product code** : OPOB03, 10873867; OPOB05, 10873925

Product type : Solid.

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

Not applicable.

Manufactured/supplied : Sysmex Americas

577 Aptakisic RD Lincolnshire, IL 60069

Company Phone Number: (224) 543-9500

**Emergency telephone** 

number

1-800-255-3924 (North America) 1-813-248-0585 (International)

INNOVANCE® Heparin Calibrator 4

INNOVANCE® Heparin Calibrator 5

### Section 2. Hazards identification

OSHA/HCS status : INNOVANCE® Heparin Calibrator 1 While this material is not considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

INNOVANCE® Heparin Calibrator 2

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for

employees and other users of this product.

INNOVANCE® Heparin Calibrator 3

While this material is not considered

hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for

employees and other users of this product. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for

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employees and other users of this product.

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### Section 2. Hazards identification

Classification of the substance or mixture : Not classified.

**Additional information**: Potentially biohazardous material.

Not available.

**GHS label elements** 

Signal word : INNOVANCE® Heparin Calibrator 1 No signal word.
INNOVANCE® Heparin Calibrator 2 No signal word.
INNOVANCE® Heparin Calibrator 3 No signal word.

INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
No signal word.
No signal word.

Hazard statements : INNOVANCE® Heparin Calibrator 1 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 2 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 3 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 4 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 5 No known significant effects or critical

hazards.

**Precautionary statements** 

Prevention : INNOVANCE® Heparin Calibrator 1 Not applicable.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 5
INOVANCE® Heparin Calibrator 5
INOVANCE® Heparin Calibrator 5

Response : INNOVANCE® Heparin Calibrator 1 Not applicable.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 5
INTOVANCE® Heparin Calibrator 2
INOVANCE® Heparin Calibrator 2
INOVANCE® Heparin Calibrator 3
INOVANCE® Heparin Calibrator 4
INOVANCE® Heparin Calibrator 4
INOVANCE® Heparin Calibrator 5
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Storage : INNOVANCE® Heparin Calibrator 1 Not applicable.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 1
INTOVANCE® Heparin Calibrator 2
INOT applicable.
INTOVANCE® Heparin Calibrator 3
INTOVANCE® HE

Disposal : INNOVANCE® Heparin Calibrator 1 Not applicable. INNOVANCE® Heparin Calibrator 2 Not applicable.

INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 1
INNOVANCE® Heparin Calibrator 1
INNOVANCE® Heparin Calibrator 2
None known.

INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5

None known.
None known.

Hazards not otherwise

Supplemental label

classified

elements

: INNOVANCE® Heparin Calibrator 1 None known. INNOVANCE® Heparin Calibrator 2 None known. INNOVANCE® Heparin Calibrator 3 None known. INNOVANCE® Heparin Calibrator 4 None known. INNOVANCE® Heparin Calibrator 5 None known.

# Section 3. Composition/information on ingredients

Substance/mixture : INNOVANCE® Heparin Calibrator 1 Mixture

INNOVANCE® Heparin Calibrator 2 Mixture
INNOVANCE® Heparin Calibrator 3 Mixture
INNOVANCE® Heparin Calibrator 4 Mixture
INNOVANCE® Heparin Calibrator 5 Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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## Section 3. Composition/information on ingredients

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

Description	of necessary	first aid	measures
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Eye contact : INNOVANCE® Heparin Calibrator 1

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if

irritation occurs.

INNOVANCE® Heparin Calibrator 2 Immed

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if

irritation occurs.

INNOVANCE® Heparin Calibrator 3

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if

irritation occurs.

INNOVANCE® Heparin Calibrator 4

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if

irritation occurs.

INNOVANCE® Heparin Calibrator 5

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if

irritation occurs.

Inhalation : INNOVANCE® Heparin Calibrator 1

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for

48 hours.

INNOVANCE® Heparin Calibrator 2

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for

48 hours.

INNOVANCE® Heparin Calibrator 3

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for

48 hours.

INNOVANCE® Heparin Calibrator 4

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for

8 hours.

INNOVANCE® Heparin Calibrator 5

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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Skin contact

Ingestion

### Section 4. First aid measures

Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours

: INNOVANCE® Heparin Calibrator 1 Flush contaminated skin with plenty of

water. Remove contaminated clothing and shoes. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 2 Flush contaminated skin with plenty of

water. Remove contaminated clothing and shoes. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 3 Flush contaminated skin with plenty of

water. Remove contaminated clothing and shoes. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 4 Flush contaminated skin with plenty of

water. Remove contaminated clothing and shoes. Get medical attention if

symptoms occur.

Flush contaminated skin with plenty of

water. Remove contaminated clothing and shoes. Get medical attention if

symptoms occur.

: INNOVANCE® Heparin Calibrator 1 Wash out mouth with water. If material

INNOVANCE® Heparin Calibrator 5

has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 2 Wash out mouth with water. If material

has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 3 Wash out mouth with water. If material

has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 4 Wash out mouth with water. If material

has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

INNOVANCE® Heparin Calibrator 5 Wash out mouth with water. If material

has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

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# Section 4. First aid measures

Eye contact	: INNOVANCE® Heparin Calibrator 1	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 2	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 3	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 4	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 5	No known significant effects or critical hazards.
Inhalation	: INNOVANCE® Heparin Calibrator 1	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 2	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 3	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 4	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 5	No known significant effects or critical hazards.
Skin contact	: INNOVANCE® Heparin Calibrator 1	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 2	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 3	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 4	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 5	No known significant effects or critical hazards.
Ingestion	: INNOVANCE® Heparin Calibrator 1	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 2	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 3	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 4	No known significant effects or critical hazards.
	INNOVANCE® Heparin Calibrator 5	No known significant effects or critical hazards.
Over-exposure signs/sym	<u>otoms</u>	
Eye contact	: INNOVANCE® Heparin Calibrator 1	No specific data.
	INNOVANCE® Heparin Calibrator 2	No specific data.
	INNOVANCE® Heparin Calibrator 3	No specific data.
	INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	No specific data. No specific data.
Inhalation	: INNOVANCE® Heparin Calibrator 1	No specific data.
	INNOVANCE® Heparin Calibrator 2	No specific data.
	INNOVANCE® Heparin Calibrator 3	No specific data.
	INNOVANCE® Heparin Calibrator 5	No specific data
Skin contact	INNOVANCE® Heparin Calibrator 5	No specific data.  No specific data.
Skill Collect	: INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2	No specific data.
	INNOVANCE® Heparin Calibrator 3	No specific data.
	INNOVANCE® Heparin Calibrator 4	No specific data.
	INNOVANCE® Heparin Calibrator 5	No specific data.
Ingestion	: INNOVANCE® Heparin Calibrator 1	No specific data.
	INNOVANCE® Heparin Calibrator 2	No specific data.
	INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4	No specific data. No specific data.
	INNOVANCE® Heparin Calibrator 5	No specific data.
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### $\underline{\textbf{Indication of immediate medical attention and special treatment needed, if necessary}}$

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### Section 4. First aid measures

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media

: In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable

training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

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

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor

Large spill

: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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## Section 7. Handling and storage

#### Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

None

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure** controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

#### **Skin protection**

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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### Section 9. Physical and chemical properties

Physical state : INNOVANCE® Heparin Calibrator 1 Solid. INNOVANCE® Heparin Calibrator 2 Solid. **INNOVANCE®** Heparin Calibrator 3 Solid. INNOVANCE® Heparin Calibrator 4 Solid. **INNOVANCE®** Heparin Calibrator 5 Solid. : INNOVANCE® Heparin Calibrator 1 Color Yellowish. [Light] INNOVANCE® Heparin Calibrator 2 Yellowish. [Light] **INNOVANCE®** Heparin Calibrator 3 Yellowish. [Light] INNOVANCE® Heparin Calibrator 4 Yellowish. [Light] INNOVANCE® Heparin Calibrator 5 Yellowish. [Light] : INNOVANCE® Heparin Calibrator 1 Odor Odorless. INNOVANCE® Heparin Calibrator 2 Odorless. **INNOVANCE®** Heparin Calibrator 3 Odorless. INNOVANCE® Heparin Calibrator 4 Odorless. **INNOVANCE®** Heparin Calibrator 5 Odorless. рΗ : INNOVANCE® Heparin Calibrator 1 Not applicable. INNOVANCE® Heparin Calibrator 2 Not applicable. **INNOVANCE®** Heparin Calibrator 3 Not applicable. INNOVANCE® Heparin Calibrator 4 Not applicable. INNOVANCE® Heparin Calibrator 5 Not applicable. Flash point : INNOVANCE® Heparin Calibrator 1 [Product does not sustain combustion.] INNOVANCE® Heparin Calibrator 2 [Product does not sustain combustion.] **INNOVANCE®** Heparin Calibrator 3 [Product does not sustain combustion.] INNOVANCE® Heparin Calibrator 4 [Product does not sustain combustion.] [Product does not sustain combustion.] INNOVANCE® Heparin Calibrator 5 Flammability (solid, gas) : INNOVANCE® Heparin Calibrator 1 Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of INNOVANCE® Heparin Calibrator 2 the product. INNOVANCE® Heparin Calibrator 3 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 4 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 5 Not relevant/applicable due to nature of the product. Relative density : INNOVANCE® Heparin Calibrator 1 Not available. INNOVANCE® Heparin Calibrator 2 Not available. INNOVANCE® Heparin Calibrator 3 Not available. Not available. INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5 Not available. Solubility(ies) Not available. Solubility in water : INNOVANCE® Heparin Calibrator 1 Not available. INNOVANCE® Heparin Calibrator 2 Not available. **INNOVANCE®** Heparin Calibrator 3 Not available. INNOVANCE® Heparin Calibrator 4 Not available. INNOVANCE® Heparin Calibrator 5 Not available. Partition coefficient: n-: INNOVANCE® Heparin Calibrator 1 Not relevant/applicable due to nature of octanol/water the product. Not relevant/applicable due to nature of INNOVANCE® Heparin Calibrator 2 the product. INNOVANCE® Heparin Calibrator 3 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 4 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 5 Not relevant/applicable due to nature of the product.

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Incompatible materials

## Section 9. Physical and chemical properties

Auto-ignition temperature : INNOVANCE® Heparin Calibrator 1 Not relevant/applicable due to nature of Not relevant/applicable due to nature of INNOVANCE® Heparin Calibrator 2 the product. INNOVANCE® Heparin Calibrator 3 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 4 Not relevant/applicable due to nature of the product. **INNOVANCE®** Heparin Calibrator 5 Not relevant/applicable due to nature of the product. **Viscosity** : INNOVANCE® Heparin Calibrator 1 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 2 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 3 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 4 Not relevant/applicable due to nature of the product. INNOVANCE® Heparin Calibrator 5 Not relevant/applicable due to nature of the product. Aerosol product Type of aerosol : INNOVANCE® Heparin Calibrator 1 Not applicable. INNOVANCE® Heparin Calibrator 2 Not applicable. INNOVANCE® Heparin Calibrator 3 Not applicable. INNOVANCE® Heparin Calibrator 4 Not applicable. INNOVANCE® Heparin Calibrator 5 Not applicable. Section 10. Stability and reactivity Reactivity : INNOVANCE® Heparin Calibrator 1 No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity INNOVANCE® Heparin Calibrator 2 available for this product or its ingredients. INNOVANCE® Heparin Calibrator 3 No specific test data related to reactivity available for this product or its ingredients. INNOVANCE® Heparin Calibrator 4 No specific test data related to reactivity available for this product or its ingredients. INNOVANCE® Heparin Calibrator 5 No specific test data related to reactivity available for this product or its ingredients. **Chemical stability** The product is stable. : INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 The product is stable. INNOVANCE® Heparin Calibrator 3 The product is stable. INNOVANCE® Heparin Calibrator 4 The product is stable. INNOVANCE® Heparin Calibrator 5 The product is stable. Possibility of hazardous : Under normal conditions of storage and use, hazardous reactions will not occur. reactions Conditions to avoid : INNOVANCE® Heparin Calibrator 1 No specific data. **INNOVANCE®** Heparin Calibrator 2 No specific data. INNOVANCE® Heparin Calibrator 3 No specific data. INNOVANCE® Heparin Calibrator 4 No specific data. INNOVANCE® Heparin Calibrator 5 No specific data.

: INNOVANCE® Heparin Calibrator 1

INNOVANCE® Heparin Calibrator 2

**INNOVANCE®** Heparin Calibrator 3

INNOVANCE® Heparin Calibrator 4

INNOVANCE® Heparin Calibrator 5

### Section 10. Stability and reactivity

Hazardous decomposition products

: INNOVANCE® Heparin Calibrator 1

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

INNOVANCE® Heparin Calibrator 2

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

INNOVANCE® Heparin Calibrator 3

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

INNOVANCE® Heparin Calibrator 4

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

INNOVANCE® Heparin Calibrator 5

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

# **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Not available.

Conclusion/Summary

: INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 Not available. Not available. Not available.

INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

Not available.

Not available.

Not available.

Irritation/Corrosion

Not available.

Eyes

**Conclusion/Summary** 

Skin

: INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3

INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 1
Not available.
Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.
Not available.

: INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.

<u>Sensitization</u>

Respiratory

Not available.

Conclusion/Summary

**Skin**: INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
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INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
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INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator

INNOVANCE® Heparin Calibrator 5 Not available.

Respiratory: INNOVANCE® Heparin Calibrator 1 Not available.

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INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
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Mutagenicity

Not available.

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### **Section 11. Toxicological information**

Conclusion/Summary	: INNOVANCE® Heparin Calibrator 1	Not available.
	INNOVANCE® Heparin Calibrator 2	Not available.
	INNOVANCE® Heparin Calibrator 3	Not available.
	INNOVANCE® Heparin Calibrator 4	Not available.
	INNOVANCE® Heparin Calibrator 5	Not available.

#### Carcinogenicity

Not available.

Conclusion/Summary : INNOVANCE® Heparin Calibrator 1 Not available. 
INNOVANCE® Heparin Calibrator 2 Not available.

INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.
Not available.

#### Reproductive toxicity

Not available.

Conclusion/Summary : INNOVANCE® Heparin Calibrator 1 Not available. INNOVANCE® Heparin Calibrator 2 Not available.

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INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INOT available.
Not available.
Not available.
Not available.

#### **Teratogenicity**

Not available.

Conclusion/Summary : INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.

#### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely : INNOVANCE® Heparin Calibrator 1 routes of exposure : INNOVANCE® Heparin Calibrator 2

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.

#### Potential acute health effects

Eye contact : INNOVANCE® Heparin Calibrator 1 No known significant effects or critical

hazards.

Not available.

INNOVANCE® Heparin Calibrator 2 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 3

No known sig

NNOVANCE® Heparin Calibrator 3 No known significant effects or critical hazards.

INNOVANCE® Heparin Calibrator 4 No known significant effects or critical hazards.

INNOVANCE® Heparin Calibrator 5 No known significant effects or critical

hazards.

hazards

Inhalation : INNOVANCE® Heparin Calibrator 1 No known significant effects or critical

INNOVANCE® Heparin Calibrator 2 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 3 No known significant effects or critical

INNOVANCE® Heparin Calibrator 4 No known significant effects or critical hazards.

INNOVANCE® Heparin Calibrator 5 No known significant effects or critical

hazards.

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## Section 11. Toxicological information

Skin contact : INNOVANCE® Heparin Calibrator 1 No known significant effects or critical

nazards.

INNOVANCE® Heparin Calibrator 2 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 3 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 4 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 5 No known significant effects or critical

hazards.

Ingestion : INNOVANCE® Heparin Calibrator 1 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 2 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 3 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 4 No known significant effects or critical

hazards.

INNOVANCE® Heparin Calibrator 5 No known significant effects or critical

hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : INNOVANCE® Heparin Calibrator 1 No specific data.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 1
No specific data.
No specific data.
No specific data.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 1
No specific data.
No specific data.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 5
INNOVANCE® Heparin Calibrator 1
No specific data.
No specific data.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
No specific data.
No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

### Short term exposure

Inhalation

Skin contact

Ingestion

Potential immediate : INNOVANCE® Heparin Calibrator 1 Not available.

effects INNOVANCE® Heparin Calibrator 2 Not available. INNOVANCE® Heparin Calibrator 3 Not available.

INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.
Not available.

Potential delayed effects : INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.
Not available.

Long term exposure

Potential immediate : INNOVANCE® Heparin Calibrator 1 Not available.

effects INNOVANCE® Heparin Calibrator 2 Not available.
INNOVANCE® Heparin Calibrator 3 Not available.

INNOVANCE® Heparin Calibrator 3 Not available.
INNOVANCE® Heparin Calibrator 4 Not available.
INNOVANCE® Heparin Calibrator 5 Not available.

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## **Section 11. Toxicological information**

Potential delayed effects : INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.

#### Potential chronic health effects

Not available.

Conclusion/Summary: Not available. INNOVANCE® Heparin Calibrator 1

Not available. INNOVANCE® Heparin Calibrator 2
Not available. INNOVANCE® Heparin Calibrator 3
Not available. INNOVANCE® Heparin Calibrator 4
Not available. INNOVANCE® Heparin Calibrator 5

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

N/A

Interactive effects : INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.

Other information : INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.

# Section 12. Ecological information

#### **Toxicity**

Not available.

Conclusion/Summary : INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
Not available.
Not available.

#### Persistence and degradability

**Conclusion/Summary**: INNOVANCE® Heparin Calibrator 1 Not available.

INNOVANCE® Heparin Calibrator 2
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 3
INNOVANCE® Heparin Calibrator 4
INNOVANCE® Heparin Calibrator 5
INOVANCE® Heparin Calibrator 2
INOVANCE® Heparin Calibrator 3
INOVANCE® Heparin Calibrator 4
INOVANCE® Heparin Calibrator 5
INOVANCE® Heparin Calibrat

#### **Bioaccumulative potential**

Not available.

#### **Mobility in soil**

INNOVANCE® Heparin Calibrator

## Section 12. Ecological information

Soil/water partition coefficient (Koc)

Mobility

: INNOVANCE® Heparin Calibrator 1 Not available. INNOVANCE® Heparin Calibrator 2 Not available. INNOVANCE® Heparin Calibrator 3 Not available. INNOVANCE® Heparin Calibrator 4 Not available. INNOVANCE® Heparin Calibrator 5 Not available. : INNOVANCE® Heparin Calibrator 1 Not available. INNOVANCE® Heparin Calibrator 2 Not available. INNOVANCE® Heparin Calibrator 3 Not available. INNOVANCE® Heparin Calibrator 4 Not available.

Other adverse effects

: No known significant effects or critical hazards.

INNOVANCE® Heparin Calibrator 5

## Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Not available.

# **Section 14. Transport information**

DOT	Classification	

**UN number** 

INNOVANCE® Heparin Calibrator 1 Not regulated. INNOVANCE® Heparin Calibrator 2 Not regulated. INNOVANCE® Heparin Calibrator 3 Not regulated. **INNOVANCE®** Heparin Calibrator 4 Not regulated. **INNOVANCE®** Heparin Calibrator 5 Not regulated.

**UN proper** shipping name

INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 **INNOVANCE®** Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

**Transport** 

INNOVANCE® Heparin Calibrator 1 hazard class(es) INNOVANCE® Heparin Calibrator 2 **INNOVANCE®** Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 **INNOVANCE®** Heparin Calibrator 5

Packing group

INNOVANCE® Heparin Calibrator 1 **INNOVANCE®** Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

**Environmental** hazards

INNOVANCE® Heparin Calibrator 1 No. INNOVANCE® Heparin Calibrator 2 No. INNOVANCE® Heparin Calibrator 3 No. **INNOVANCE®** Heparin Calibrator 4 No. INNOVANCE® Heparin Calibrator 5 No.

**Additional** information **INNOVANCE®** Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

Date of issue/Date of revision 14/18 : 3/19/2024 Date of previous issue Version : 1 : No previous validation

# Section 14. Transport information

	TDG Classification	
UN number	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
UN proper shipping name	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
Transport hazard class(es)	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
Packing group	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
Environmental hazards	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	No. No. No. No. No.
Additional information	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
	ADR/RID	
UN number	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
UN proper shipping name	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
Transport hazard class(es)	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - - -
Packing group	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	

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INNOVANCE® Heparin Calibrator

Section	14.	<b>Transport</b>	information
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Section 14	. Transport information	
Environmental hazards	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	No. No. No. No. No.
Additional information	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
	IMDG	
UN number	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
UN proper shipping name	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
Transport hazard class(es)	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - - -
Packing group	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
Environmental hazards	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	No. No. No. No. No.
Additional information	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -
	IATA	
UN number	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
UN proper shipping name	INNOVANCE® Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5	- - - -

INNOVANCE® Heparin Calibrator

## **Section 14. Transport information**

Transport	INNOVANCE® Heparin Calibrator 1	-
hazard class(es)	INNOVANCE® Heparin Calibrator 2	-
` '	INNOVANCE® Heparin Calibrator 3	_

INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

**Packing group** INNOVANCE® Heparin Calibrator 1

INNOVANCE® Heparin Calibrator 2 INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

**Environmental** INNOVANCE® Heparin Calibrator 1 No. INNOVANCE® Heparin Calibrator 2 hazards No.

INNOVANCE® Heparin Calibrator 3 No. No. INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5 No.

Additional **INNOVANCE®** Heparin Calibrator 1 INNOVANCE® Heparin Calibrator 2 information

INNOVANCE® Heparin Calibrator 3 INNOVANCE® Heparin Calibrator 4 INNOVANCE® Heparin Calibrator 5

Special precautions for user : INNOVANCE® Heparin Calibrator 1

Transport within user's premises:

always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

INNOVANCE® Heparin Calibrator 2

Transport within user's premises:

always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

INNOVANCE® Heparin Calibrator 3

Transport within user's premises:

always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or

spillage.

INNOVANCE® Heparin Calibrator 4

Transport within user's premises:

always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or

spillage.

INNOVANCE® Heparin Calibrator 5

Transport within user's premises:

always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or

spillage.

Transport in bulk according : Not applicable. to IMO instruments

Date of issue/Date of revision 17/18 : 3/19/2024 Version : 1 Date of previous issue : No previous validation

### Section 15. Regulatory information

: Not listed

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 : Not listed

Class I Substances

Clean Air Act Section 602 : Not listed

Class II Substances

**DEA List I Chemicals** : Not listed

(Precursor Chemicals)

**DEA List II Chemicals** : Not listed

(Essential Chemicals)

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

**SARA 311/312** 

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts: None of the components are listed.New York: None of the components are listed.New Jersey: None of the components are listed.Pennsylvania: None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

#### **International regulations**

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

## Section 16. Other information

<u>History</u>

Date of issue/Date of : 3/19/2024

revision

Version : 1

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations N/A = Not available SGG = Segregation Group

▼ Indicates information that has changed from previously issued version.

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 118/18