SAFETY DATA SHEET

INNOVANCE® D-Dimer Controls

SIEMENS Healthineers

SDS no.: mrhm0161

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Product name : INNOVANCE® D-Dimer Controls

Product code : OPDY03, 10446005; OPDY09, 10446006

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

Identified uses	INNOVANCE® D-Dimer Control 1	Diagnostic agents.
	INNOVANCE® D-Dimer Control 2	Diagnostic agents.
Restrictions on use	For professional users only.	

Supplier : Siemens Healthcare Diagnostics Limited
Park View,
Watchmoor Park,
Camberley,
Surrey,
GU15 3YL
United Kingdom

Phone: +44 (0) 345 600 1955

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens-healthineers.com

1.4 Emergency telephone number

CHEMTREC: +44 20 3807 3798

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition :	INNOVANCE® D-Dimer Control 1	Mixture
	INNOVANCE® D-Dimer Control 2	Mixture

Classification according to UK CLP/GHS

INNOVANCE® D-Dimer Control 1
Skin Sens. 1, H317
Aquatic Chronic 3, H412

INNOVANCE® D-Dimer Control 2
Skin Sens. 1, H317
Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :

Signal word :	INNOVANCE® D-Dimer Control 1	Warning
	INNOVANCE® D-Dimer Control 2	Warning

SECTION 2: Hazards identification

Hazard statements	:	INNOVANCE® D-Dimer Control 1	H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects.
		INNOVANCE® D-Dimer Control 2	H317 - May cause an allergic skin reaction. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention	:	INNOVANCE® D-Dimer Control 1	P261 - Avoid breathing dust. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.
		INNOVANCE® D-Dimer Control 2	P261 - Avoid breathing dust. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.
Response	:	INNOVANCE® D-Dimer Control 1	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash it before reuse.
		INNOVANCE® D-Dimer Control 2	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash it before reuse.
Storage	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.
Disposal	:	INNOVANCE® D-Dimer Control 1	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
		INNOVANCE® D-Dimer Control 2	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
Supplemental label elements	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	INNOVANCE® D-Dimer Control 1	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
		INNOVANCE® D-Dimer Control 2	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	INNOVANCE® D-Dimer Control 1	None known.
		INNOVANCE® D-Dimer Control 2	None known.
Additional information	:	Potentially biohazardous material.	

SECTION 2: Hazards identification

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

SECTION 3: Composition/information on ingredients

3.1 Substances : INNOVANCE® D-Dimer Control 1 Mixture
INNOVANCE® D-Dimer Control 2 Mixture

Product/ingredient name	Identifiers	%	Classification	Type
INNOVANCE® D-Dimer Control 1				
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	≤0.013	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
INNOVANCE® D-Dimer Control 2				
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	≤0.013	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 **See Section 16 for the full text of the H statements declared above.**	[1]

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : INNOVANCE® D-Dimer Control 1

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

INNOVANCE® D-Dimer Control 2

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation : INNOVANCE® D-Dimer Control 1

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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® D-Dimer Control 2

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.

Skin contact : INNOVANCE® D-Dimer Control 1

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INNOVANCE® D-Dimer Control 2

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing

SECTION 4: First aid measures

			thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	INNOVANCE® D-Dimer Control 1	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		INNOVANCE® D-Dimer Control 2	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	:	INNOVANCE® D-Dimer Control 1	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
		INNOVANCE® D-Dimer Control 2	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	:	INNOVANCE® D-Dimer Control 1	No specific data.
		INNOVANCE® D-Dimer Control 2	No specific data.

SECTION 4: First aid measures

Inhalation	:	INNOVANCE® D-Dimer Control 1	No specific data.
		INNOVANCE® D-Dimer Control 2	No specific data.
Skin contact	:	INNOVANCE® D-Dimer Control 1	Adverse symptoms may include the following: irritation redness
		INNOVANCE® D-Dimer Control 2	Adverse symptoms may include the following: irritation redness
Ingestion	:	INNOVANCE® D-Dimer Control 1	No specific data.
		INNOVANCE® D-Dimer Control 2	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	INNOVANCE® D-Dimer Control 1	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® D-Dimer Control 2	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	:	INNOVANCE® D-Dimer Control 1	No specific treatment.
		INNOVANCE® D-Dimer Control 2	No specific treatment.
		INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

5.3 Advice for firefighters

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

6.1 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 spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised 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 non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt 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). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Small spill : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, 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.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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.

7.2 Conditions for safe storage, including any incompatibilities

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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
INNOVANCE® D-Dimer Control 1 sodium azide	**EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.** STEL: 0.3 mg/m³, (as NaN3) 15 minutes. TWA: 0.1 mg/m³, (as NaN3) 8 hours.
INNOVANCE® D-Dimer Control 2 sodium azide	**EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.** STEL: 0.3 mg/m³, (as NaN3) 15 minutes. TWA: 0.1 mg/m³, (as NaN3) 8 hours.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
INNOVANCE® D-Dimer Control 1					
sodium azide	DNEL	Long term Oral	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 µg/m³	General population	Systemic
	DNEL	Long term Dermal	46.7 µg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.164 mg/m³	Workers	Systemic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	DNEL	Long term Inhalation	0.02 mg/m³	General population	Local
	DNEL	Long term Inhalation	0.02 mg/m³	Workers	Local
	DNEL	Short term Inhalation	0.04 mg/m³	General population	Local
	DNEL	Short term Inhalation	0.04 mg/m³	Workers	Local
	DNEL	Long term Oral	0.09 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/kg bw/day	General population	Systemic
INNOVANCE® D-Dimer Control 2					
sodium azide	DNEL	Long term Oral	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 µg/m³	General population	Systemic
	DNEL	Long term Dermal	46.7 µg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.164 mg/m³	Workers	Systemic

SECTION 8: Exposure controls/personal protection

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	DNEL	Long term Inhalation	0.02 mg/m³	General population	Local
	DNEL	Long term Inhalation	0.02 mg/m³	Workers	Local
	DNEL	Short term Inhalation	0.04 mg/m³	General population	Local
	DNEL	Short term Inhalation	0.04 mg/m³	Workers	Local
	DNEL	Long term Oral	0.09 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/kg bw/day	General population	Systemic

PNECs

No PNECs available

8.2 Exposure controls

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

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. Contaminated work clothing should not be allowed out of the workplace. 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 side-shields.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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.

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.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	INNOVANCE® D-Dimer Control 1	Solid.
		INNOVANCE® D-Dimer Control 2	Solid.
Colour	:	INNOVANCE® D-Dimer Control 1	White to yellowish.
		INNOVANCE® D-Dimer Control 2	White to yellowish.
Odour	:	INNOVANCE® D-Dimer Control 1	Odourless.
		INNOVANCE® D-Dimer Control 2	Odourless.
Odour threshold	:	Not relevant/applicable due to nature of the product.	
Melting point/freezing point	:	Not relevant/applicable due to nature of the product.	
Softening point	:	Not relevant/applicable due to nature of the product.	
Sublimation temperature	:	Not relevant/applicable due to nature of the product.	
Initial boiling point and boiling range	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Flammability (solid, gas)	:	INNOVANCE® D-Dimer Control 1	Not relevant/applicable due to nature of the product.
		INNOVANCE® D-Dimer Control 2	Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.
Flash point	:	INNOVANCE® D-Dimer Control 1	[Product does not sustain combustion.]
		INNOVANCE® D-Dimer Control 2	[Product does not sustain combustion.]
Decomposition temperature	:	Not relevant/applicable due to nature of the product.	
pH	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.
Viscosity	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.
Solubility(ies)	:		

Not available.

Solubility in water	:	Not relevant/applicable due to nature of the product.	
Miscible with water	:	Not relevant/applicable due to nature of the product.	
Partition coefficient: n-octanol/ water	:	Not relevant/applicable due to nature of the product.	
Vapour pressure	:	Not available.	
Evaporation rate	:	Not relevant/applicable due to nature of the product.	
Relative density	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Density	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Vapour density	:	INNOVANCE® D-Dimer Control 1	Not applicable.
		INNOVANCE® D-Dimer Control 2	Not applicable.
Explosive properties	:	INNOVANCE® D-Dimer Control 1	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidising materials.
		INNOVANCE® D-Dimer Control 2	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidising materials.
Oxidising properties	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Particle characteristics

SECTION 9: Physical and chemical properties

Median particle size : Not available.

9.2 Other information

Fire point : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Burning time : Not relevant/applicable due to nature of the product.

Fundamental burning velocity : Not relevant/applicable due to nature of the product.

Burning rate : Not relevant/applicable due to nature of the product.

SADT : Not relevant/applicable due to nature of the product.

SAPT : Not relevant/applicable due to nature of the product.

Heat of reaction : Not relevant/applicable due to nature of the product.

Heat of combustion : Not relevant/applicable due to nature of the product.

Flow time (ISO 2431) : Not relevant/applicable due to nature of the product.

Molecular weight : Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
INNOVANCE® D-Dimer Control 1				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Oral	Rat	53 mg/kg	-
INNOVANCE® D-Dimer Control 2				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]	LD50 Oral	Rat	53 mg/kg	-

SECTION 11: Toxicological information

and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				

Conclusion/Summary : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
INNOVANCE® D-Dimer Control 1					
INNOVANCE® D-Dimer Control 1	3350.1	2481.5	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	50	N/A	0.5	N/A
INNOVANCE® D-Dimer Control 2					
INNOVANCE® D-Dimer Control 2	3350.1	2481.5	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	50	N/A	0.5	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
INNOVANCE® D-Dimer Control 1					
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin - Severe irritant	Human	-	0.01 %	-
INNOVANCE® D-Dimer Control 2					
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin - Severe irritant	Human	-	0.01 %	-

Conclusion/Summary

Skin : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Eyes : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Respiratory : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Sensitisation

Conclusion/Summary

Skin : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Respiratory : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Mutagenicity

Conclusion/Summary : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Carcinogenicity

SECTION 11: Toxicological information

Conclusion/Summary	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Reproductive toxicity

Conclusion/Summary	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Teratogenicity

Conclusion/Summary	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Potential acute health effects

Eye contact	:	INNOVANCE® D-Dimer Control 1	No known significant effects or critical hazards.
		INNOVANCE® D-Dimer Control 2	No known significant effects or critical hazards.
Inhalation	:	INNOVANCE® D-Dimer Control 1	No known significant effects or critical hazards.
		INNOVANCE® D-Dimer Control 2	No known significant effects or critical hazards.
Skin contact	:	INNOVANCE® D-Dimer Control 1	May cause an allergic skin reaction.
		INNOVANCE® D-Dimer Control 2	May cause an allergic skin reaction.
Ingestion	:	INNOVANCE® D-Dimer Control 1	No known significant effects or critical hazards.
		INNOVANCE® D-Dimer Control 2	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	INNOVANCE® D-Dimer Control 1	No specific data.
		INNOVANCE® D-Dimer Control 2	No specific data.
Inhalation	:	INNOVANCE® D-Dimer Control 1	No specific data.
		INNOVANCE® D-Dimer Control 2	No specific data.
Skin contact	:	INNOVANCE® D-Dimer Control 1	Adverse symptoms may include the following: irritation redness
		INNOVANCE® D-Dimer Control 2	Adverse symptoms may include the following: irritation redness
Ingestion	:	INNOVANCE® D-Dimer Control 1	No specific data.
		INNOVANCE® D-Dimer Control 2	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

SECTION 11: Toxicological information

Potential delayed effects	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Long term exposure

Potential immediate effects	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Potential delayed effects	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
General	:	INNOVANCE® D-Dimer Control 1	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
		INNOVANCE® D-Dimer Control 2	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	INNOVANCE® D-Dimer Control 1	No known significant effects or critical hazards.
		INNOVANCE® D-Dimer Control 2	No known significant effects or critical hazards.
Mutagenicity	:	INNOVANCE® D-Dimer Control 1	No known significant effects or critical hazards.
		INNOVANCE® D-Dimer Control 2	No known significant effects or critical hazards.
Reproductive toxicity	:	INNOVANCE® D-Dimer Control 1	No known significant effects or critical hazards.
		INNOVANCE® D-Dimer Control 2	No known significant effects or critical hazards.
Interactive effects	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

Toxicokinetics

Absorption	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Distribution	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Metabolism	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Elimination	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.
Other information	:	INNOVANCE® D-Dimer Control 1	Not available.
		INNOVANCE® D-Dimer Control 2	Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
INNOVANCE® D-Dimer Control 1			
sodium azide	Acute EC50 9200 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Water flea - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Bluegill - Lepomis	96 hours

SECTION 12: Ecological information

		macrochirus	
	Chronic NOEC 5600 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
INNOVANCE® D-Dimer Control 2			
sodium azide	Acute EC50 9200 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Water flea - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours

Conclusion/Summary : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

12.2 Persistence and degradability

Conclusion/Summary : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

Mobility : INNOVANCE® D-Dimer Control 1 Not available.
INNOVANCE® D-Dimer Control 2 Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 13: Disposal considerations

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	INNOVANCE® D-Dimer Control 1	Not regulated.
	INNOVANCE® D-Dimer Control 2	Not regulated.
14.2 UN proper shipping name	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.3 Transport hazard class(es)	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.4 Packing group	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.5 Environmental hazards	INNOVANCE® D-Dimer Control 1	No.
	INNOVANCE® D-Dimer Control 2	No.
Additional information	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-

ADN

14.1 UN number	INNOVANCE® D-Dimer Control 1	Not regulated.
	INNOVANCE® D-Dimer Control 2	Not regulated.
14.2 UN proper shipping name	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.3 Transport hazard class(es)	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.4 Packing group	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.5 Environmental hazards	INNOVANCE® D-Dimer Control 1	No.
	INNOVANCE® D-Dimer Control 2	No.
Additional information	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-

IMDG

14.1 UN number	INNOVANCE® D-Dimer Control 1	Not regulated.
	INNOVANCE® D-Dimer Control 2	Not regulated.
14.2 UN proper shipping name	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.3 Transport hazard class(es)	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.4 Packing group	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-

SECTION 14: Transport information

14.5 Environmental hazards	INNOVANCE® D-Dimer Control 1	No.
	INNOVANCE® D-Dimer Control 2	No.
Additional information	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-

IATA

14.1 UN number	INNOVANCE® D-Dimer Control 1	Not regulated.
	INNOVANCE® D-Dimer Control 2	Not regulated.
14.2 UN proper shipping name	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.3 Transport hazard class(es)	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.4 Packing group	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-
14.5 Environmental hazards	INNOVANCE® D-Dimer Control 1	No.
	INNOVANCE® D-Dimer Control 2	No.
Additional information	INNOVANCE® D-Dimer Control 1	-
	INNOVANCE® D-Dimer Control 2	-

14.6 Special precautions for user : INNOVANCE® D-Dimer Control 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® D-Dimer Control 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.

14.7 Transport in bulk according to IMO instruments : Not applicable.

SECTION 15: Regulatory information

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

UK (GB) /REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

SECTION 15: Regulatory information

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	INNOVANCE® D-Dimer Control 1 INNOVANCE® D-Dimer Control 2	Not applicable. Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	:	INNOVANCE® D-Dimer Control 1 INNOVANCE® D-Dimer Control 2	Not listed Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	INNOVANCE® D-Dimer Control 1 INNOVANCE® D-Dimer Control 2	Not listed Not listed

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment : Not applicable.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

SECTION 16: Other information

Classification	Justification
INNOVANCE® D-Dimer Control 1	
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method
INNOVANCE® D-Dimer Control 2	
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

INNOVANCE® D-Dimer Control 1

H300	Fatal if swallowed.
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.
EUH071	Corrosive to the respiratory tract.

INNOVANCE® D-Dimer Control 2

H300	Fatal if swallowed.
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.
EUH071	Corrosive to the respiratory tract.

Full text of classifications

INNOVANCE® D-Dimer Control 1

Acute Tox. 1	ACUTE TOXICITY - Category 1
Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A

INNOVANCE® D-Dimer Control 2

Acute Tox. 1	ACUTE TOXICITY - Category 1
Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

SECTION 16: Other information

Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A

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Date of previous issue : No previous validation

Version : 1

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