

SAFETY DATA SHEET



MammaPrint BluePrint NGS Target Enrichment (Post-PCR Box 1), Part Number 931282

Section 1. Identification

1.1 Product identifier

Product name : MammaPrint BluePrint NGS Target Enrichment (Post-PCR Box 1), Part Number 931282
Part no. (chemical kit) : 931282
Part no. : Agendia NGS Nuclease-Free Water 931282-07
 Agendia NGS Hyb 1 931282-01
 Agendia NGS Hyb 2 931282-02
 Agendia NGS Hyb 4 931282-03
 Agendia NGS Binding Buffer 931282-04
 Agendia NGS Wash Buffer 1 931282-05
 Agendia NGS Wash Buffer 2 931282-06
 Agendia NGS Elution Buffer 931282-08
 Agendia NGS Neutralization Buffer 931282-09

Validation date : 8/25/2020

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

Material uses : Analytical reagent.
 Agendia NGS Nuclease-Free Water 3 ml
 Agendia NGS Hyb 1 0.480 ml
 Agendia NGS Hyb 2 1.5 ml
 Agendia NGS Hyb 4 1.5 ml
 Agendia NGS Binding Buffer 15.5 ml
 Agendia NGS Wash Buffer 1 10 ml
 Agendia NGS Wash Buffer 2 29 ml
 Agendia NGS Elution Buffer 0.96 ml
 Agendia NGS Neutralization Buffer 0.96 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agendia NV
 Radarweg 60
 1043NT Amsterdam
 The Netherlands
 Telephone: +31 (0)20 462 1510

1.4 Emergency telephone number

In case of emergency : +31 (0)20 462 1510

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : Agendia NGS Nuclease-Free Water 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.
 Agendia NGS Hyb 1 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
 Agendia NGS Hyb 2 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
 Agendia NGS Hyb 4 While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR

Section 2. Hazards identification

	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.
Agendia NGS Binding Buffer	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.
Agendia NGS Wash Buffer 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.
Agendia NGS Wash Buffer 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.
Agendia NGS Elution Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Agendia NGS Neutralization Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Agendia NGS Hyb 1

H319 EYE IRRITATION - Category 2A

Agendia NGS Hyb 2

H319 EYE IRRITATION - Category 2A
H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Agendia NGS Elution Buffer

H290 CORROSIVE TO METALS - Category 1
H320 EYE IRRITATION - Category 2B

Agendia NGS Neutralization Buffer

H315 SKIN IRRITATION - Category 2
H319 EYE IRRITATION - Category 2A

Agendia NGS Hyb 4 Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 1%

Agendia NGS Neutralization Buffer Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 15.8%

2.2 GHS label elements

Section 2. Hazards identification

Hazard pictograms : Agendia NGS Hyb 1



Agendia NGS Hyb 2



Agendia NGS Elution Buffer



Agendia NGS Neutralization Buffer



Signal word

: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	No signal word. Warning Warning No signal word. No signal word. No signal word. No signal word. Warning Warning
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Hazard statements

: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	No known significant effects or critical hazards. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure. (respiratory tract) No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. H290 - May be corrosive to metals. H320 - Causes eye irritation. H315 - Causes skin irritation. H319 - Causes serious eye irritation.
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Precautionary statements

Prevention

: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	Not applicable. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P260 - Do not breathe vapor. Not applicable. Not applicable. Not applicable. Not applicable. P234 - Keep only in original packaging. P280 - Wear eye or face protection. P264 - Wash thoroughly after handling.
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Section 2. Hazards identification

Response	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	Not applicable. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. P314 - Get medical advice or attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. Not applicable. Not applicable. Not applicable. Not applicable. P390 - Absorb spillage to prevent material damage. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
Storage	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer	Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

Section 2. Hazards identification

Supplemental label elements	Agendia NGS Neutralization Buffer	Not applicable.
	Agendia NGS Nuclease-Free Water	None known.
	Agendia NGS Hyb 1	None known.
	Agendia NGS Hyb 2	None known.
	Agendia NGS Hyb 4	None known.
	Agendia NGS Binding Buffer	None known.
	Agendia NGS Wash Buffer 1	None known.
	Agendia NGS Wash Buffer 2	None known.
	Agendia NGS Elution Buffer	None known.
Agendia NGS Neutralization Buffer	None known.	

2.3 Other hazards

Hazards not otherwise classified	Agendia NGS Nuclease-Free Water	None known.
	Agendia NGS Hyb 1	None known.
	Agendia NGS Hyb 2	None known.
	Agendia NGS Hyb 4	None known.
	Agendia NGS Binding Buffer	None known.
	Agendia NGS Wash Buffer 1	None known.
	Agendia NGS Wash Buffer 2	None known.
	Agendia NGS Elution Buffer	None known.
	Agendia NGS Neutralization Buffer	None known.

Section 3. Composition/information on ingredients

Substance/mixture	Agendia NGS Nuclease-Free Water	Substance
	Agendia NGS Hyb 1	Mixture
	Agendia NGS Hyb 2	Mixture
	Agendia NGS Hyb 4	Mixture
	Agendia NGS Binding Buffer	Mixture
	Agendia NGS Wash Buffer 1	Mixture
	Agendia NGS Wash Buffer 2	Mixture
	Agendia NGS Elution Buffer	Mixture
	Agendia NGS Neutralization Buffer	Mixture

Ingredient name	%	CAS number
Agendia NGS Nuclease-Free Water Water	100	7732-18-5
Agendia NGS Hyb 1 Sodium chloride	≥10 - ≤25	7647-14-5
Sodium dihydrogenorthophosphate	≤3	7558-80-7
Agendia NGS Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	≥10 - ≤25	139-33-3
Agendia NGS Hyb 4 Sulfuric acid monododecyl ester sodium salt (1:1)	≤3	8012-56-4
Agendia NGS Binding Buffer Sodium chloride	<10	7647-14-5
Agendia NGS Elution Buffer Sodium hydroxide	<1	1310-73-2
Agendia NGS Neutralization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≥10 - <20	1185-53-1

Section 3. Composition/information on ingredients

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Agendia NGS Nuclease-Free Water	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.
	Agendia NGS Hyb 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.
	Agendia NGS Hyb 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.
	Agendia NGS Hyb 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.
	Agendia NGS Binding Buffer	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.
	Agendia NGS Wash Buffer 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.
	Agendia NGS Wash Buffer 2	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.
	Agendia NGS Elution Buffer	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. If irritation persists, get medical attention.
	Agendia NGS Neutralization Buffer	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.
Inhalation	: Agendia NGS Nuclease-Free Water	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Agendia NGS Hyb 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

Section 4. First aid measures

Agendia NGS Hyb 2	<p>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.</p> <p>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 following exposure or if feeling unwell. 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.</p>
Agendia NGS Hyb 4	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
Agendia NGS Binding Buffer	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
Agendia NGS Wash Buffer 1	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
Agendia NGS Wash Buffer 2	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
Agendia NGS Elution Buffer	<p>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.</p>
Agendia NGS Neutralization Buffer	<p>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</p>

Section 4. First aid measures

Skin contact

: Agendia NGS Nuclease-Free Water	to be kept under medical surveillance for 48 hours. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Agendia NGS Hyb 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Agendia NGS Hyb 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Agendia NGS Hyb 4	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Agendia NGS Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Agendia NGS Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Agendia NGS Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Agendia NGS Elution Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Agendia NGS Neutralization Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Agendia NGS Nuclease-Free Water	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
Agendia NGS Hyb 1	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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

Section 4. First aid measures

Agendia NGS Hyb 2

medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 following exposure or if feeling unwell. 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.

Agendia NGS Hyb 4

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Agendia NGS Binding Buffer

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Agendia NGS Wash Buffer 1

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Agendia NGS Wash Buffer 2

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Agendia NGS Elution Buffer

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Section 4. First aid measures

Agendia NGS Neutralization Buffer	<p>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.</p> <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.</p>
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4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>No known significant effects or critical hazards.</p> <p>Causes serious eye irritation.</p> <p>Causes serious eye irritation.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>Causes eye irritation.</p> <p>Causes serious eye irritation.</p>
Inhalation	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
Skin contact	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p> <p>Causes skin irritation.</p>

Section 4. First aid measures

Ingestion	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
	Agendia NGS Neutralization Buffer	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	Adverse symptoms may include the following: pain or irritation watering redness
	Agendia NGS Hyb 2	Adverse symptoms may include the following: pain or irritation watering redness
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	Adverse symptoms may include the following: irritation watering redness
	Agendia NGS Neutralization Buffer	Adverse symptoms may include the following: pain or irritation watering redness

Inhalation	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	No specific data.
	Agendia NGS Hyb 2	No specific data.
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	No specific data.

Skin contact	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	No specific data.
	Agendia NGS Hyb 2	No specific data.
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	Adverse symptoms may include the following: irritation redness

Section 4. First aid measures

Ingestion	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	No specific data.
	Agendia NGS Hyb 2	No specific data.
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Agendia NGS Nuclease-Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Hyb 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Hyb 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.
	Agendia NGS Hyb 4	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Binding Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Wash Buffer 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Wash Buffer 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Elution Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agendia NGS Neutralization Buffer	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	: Agendia NGS Nuclease-Free Water	No specific treatment.
	Agendia NGS Hyb 1	No specific treatment.
	Agendia NGS Hyb 2	No specific treatment.
	Agendia NGS Hyb 4	No specific treatment.
	Agendia NGS Binding Buffer	No specific treatment.
	Agendia NGS Wash Buffer 1	No specific treatment.
	Agendia NGS Wash Buffer 2	No specific treatment.
	Agendia NGS Elution Buffer	No specific treatment.
	Agendia NGS Neutralization Buffer	No specific treatment.

Section 4. First aid measures

Protection of first-aiders	: Agendia NGS Nuclease-Free Water	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Hyb 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.
	Agendia NGS Hyb 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.
	Agendia NGS Hyb 4	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Binding Buffer	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
	Agendia NGS Elution Buffer	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.
	Agendia NGS Neutralization Buffer	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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Agendia NGS Nuclease-Free Water	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Hyb 1	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Hyb 2	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Hyb 4	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Binding Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Wash Buffer 1	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Wash Buffer 2	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Elution Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Agendia NGS Neutralization Buffer	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Agendia NGS Nuclease-Free Water	None known.
	Agendia NGS Hyb 1	None known.
	Agendia NGS Hyb 2	None known.
	Agendia NGS Hyb 4	None known.
	Agendia NGS Binding Buffer	None known.
	Agendia NGS Wash Buffer 1	None known.

Section 5. Fire-fighting measures

Agendia NGS Elution Buffer None known.
 Agendia NGS Neutralization Buffer None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p>
Hazardous thermal decomposition products	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>No specific data.</p> <p>Decomposition products may include the following materials: phosphorus oxides halogenated compounds metal oxide/oxides</p> <p>Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides</p> <p>Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides metal oxide/oxides</p> <p>Decomposition products may include the following materials: halogenated compounds metal oxide/oxides</p> <p>No specific data.</p> <p>No specific data.</p> <p>No specific data.</p> <p>Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds</p>

5.3 Advice for firefighters

Section 5. Fire-fighting measures

Special protective actions for fire-fighters	: Agendia NGS Nuclease-Free Water	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.
	Agendia NGS Hyb 1	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.
	Agendia NGS Hyb 2	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.
	Agendia NGS Hyb 4	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.
	Agendia NGS Binding Buffer	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.
	Agendia NGS Wash Buffer 1	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.
	Agendia NGS Wash Buffer 2	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.
	Agendia NGS Elution Buffer	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.
	Agendia NGS Neutralization Buffer	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	: Agendia NGS Nuclease-Free Water	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS Hyb 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS Hyb 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS Hyb 4	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS Binding Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Agendia NGS Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

Section 5. Fire-fighting measures

Agendia NGS Wash Buffer 2	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Elution Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agendia NGS Neutralization Buffer	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

: Agendia NGS Nuclease-Free Water	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.
Agendia NGS Hyb 1	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Agendia NGS Hyb 2	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Agendia NGS Hyb 4	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.
Agendia NGS Binding Buffer	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.
Agendia NGS Wash Buffer 1	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.

Section 6. Accidental release measures

Agendia NGS Wash Buffer 2	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.
Agendia NGS Elution Buffer	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Agendia NGS Neutralization Buffer	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders : Agendia NGS Nuclease-Free Water	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 non-emergency personnel".
Agendia NGS Hyb 1	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 non-emergency personnel".
Agendia NGS Hyb 2	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 non-emergency personnel".
Agendia NGS Hyb 4	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 non-emergency personnel".
Agendia NGS Binding Buffer	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 non-emergency personnel".
Agendia NGS Wash Buffer 1	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 non-emergency personnel".
Agendia NGS Wash Buffer 2	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 non-emergency personnel".
Agendia NGS Elution Buffer	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 non-emergency personnel".
Agendia NGS Neutralization Buffer	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

Section 6. Accidental release measures

the information in "For non-emergency personnel".

6.2 Environmental precautions

: Agendia NGS Nuclease-Free Water	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).
Agendia NGS Hyb 1	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).
Agendia NGS Hyb 2	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).
Agendia NGS Hyb 4	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).
Agendia NGS Binding Buffer	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).
Agendia NGS Wash Buffer 1	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).
Agendia NGS Wash Buffer 2	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).
Agendia NGS Elution Buffer	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).
Agendia NGS Neutralization Buffer	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).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Agendia NGS Nuclease-Free Water	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Hyb 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.

Section 6. Accidental release measures

	Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Hyb 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Hyb 4	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Binding Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Wash Buffer 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Wash Buffer 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Agendia NGS Elution Buffer	Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.
Agendia NGS Neutralization Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1	Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers
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Section 7. Handling and storage

		retain product residue and can be hazardous. Do not reuse container.
	Agendia NGS Hyb 2	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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.
	Agendia NGS Hyb 4	Put on appropriate personal protective equipment (see Section 8).
	Agendia NGS Binding Buffer	Put on appropriate personal protective equipment (see Section 8).
	Agendia NGS Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
	Agendia NGS Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
	Agendia NGS Elution Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.
	Agendia NGS Neutralization Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.
<p>Advice on general occupational hygiene</p>	: Agendia NGS Nuclease-Free Water	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.
	Agendia NGS Hyb 1	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.
	Agendia NGS Hyb 2	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.
	Agendia NGS Hyb 4	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face

Section 7. Handling and storage

Agendia NGS Binding Buffer	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. 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.
Agendia NGS Wash Buffer 1	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.
Agendia NGS Wash Buffer 2	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.
Agendia NGS Elution Buffer	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.
Agendia NGS Neutralization Buffer	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

: Agendia NGS Nuclease-Free Water	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.
Agendia NGS Hyb 1	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

Section 7. Handling and storage

Agendia NGS Hyb 2

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. 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.

Agendia NGS Hyb 4

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.

Agendia NGS Binding Buffer

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.

Agendia NGS Wash Buffer 1

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.

Agendia NGS Wash Buffer 2

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 7. Handling and storage

Agendia NGS Elution Buffer	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. Store in a corrosion resistant container with a resistant inner liner. Separate from acids. Keep away from metals. 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.
Agendia NGS Neutralization Buffer	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.

7.3 Specific end use(s)

Recommendations

Agendia NGS Nuclease-Free Water	Industrial applications, Professional applications.
Agendia NGS Hyb 1	Industrial applications, Professional applications.
Agendia NGS Hyb 2	Industrial applications, Professional applications.
Agendia NGS Hyb 4	Industrial applications, Professional applications.
Agendia NGS Binding Buffer	Industrial applications, Professional applications.
Agendia NGS Wash Buffer 1	Industrial applications, Professional applications.
Agendia NGS Wash Buffer 2	Industrial applications, Professional applications.
Agendia NGS Elution Buffer	Industrial applications, Professional applications.
Agendia NGS Neutralization Buffer	Industrial applications, Professional applications.

Industrial sector specific solutions

Agendia NGS Nuclease-Free Water	Not applicable.
Agendia NGS Hyb 1	Not applicable.
Agendia NGS Hyb 2	Not applicable.
Agendia NGS Hyb 4	Not applicable.
Agendia NGS Binding Buffer	Not applicable.
Agendia NGS Wash Buffer 1	Not applicable.
Agendia NGS Wash Buffer 2	Not applicable.
Agendia NGS Elution Buffer	Not applicable.
Agendia NGS Neutralization Buffer	Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Agendia NGS Nuclease-Free Water Water	None.
Agendia NGS Hyb 1 Sodium chloride Sodium dihydrogenorthophosphate	None. None.
Agendia NGS Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	None.
Agendia NGS Hyb 4 Sulfuric acid monododecyl ester sodium salt (1:1)	None.
Agendia NGS Binding Buffer Sodium chloride	None.
Agendia NGS Elution Buffer Sodium hydroxide	ACGIH TLV (United States, 3/2019). C: 2 mg/m ³ OSHA PEL 1989 (United States, 3/1989). CEIL: 2 mg/m ³ NIOSH REL (United States, 10/2016). CEIL: 2 mg/m ³ OSHA PEL (United States, 5/2018). TWA: 2 mg/m ³ 8 hours.
Agendia NGS Neutralization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	None.

8.2 Exposure controls

Appropriate engineering controls

- : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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 side-shields.

Skin protection

Section 8. Exposure controls/personal 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.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Agendia NGS Nuclease-Free Water	Liquid.
	Agendia NGS Hyb 1	Liquid.
	Agendia NGS Hyb 2	Liquid.
	Agendia NGS Hyb 4	Liquid.
	Agendia NGS Binding Buffer	Liquid.
	Agendia NGS Wash Buffer 1	Liquid.
	Agendia NGS Wash Buffer 2	Liquid.
	Agendia NGS Elution Buffer	Liquid.
	Agendia NGS Neutralization Buffer	Liquid.
Color	: Agendia NGS Nuclease-Free Water	Colorless.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Odor	: Agendia NGS Nuclease-Free Water	Odorless.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.

Section 9. Physical and chemical properties

Odor threshold	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
Agendia NGS Neutralization Buffer	Not available.	
pH	: Agendia NGS Nuclease-Free Water	7
	Agendia NGS Hyb 1	7.4
	Agendia NGS Hyb 2	8
	Agendia NGS Hyb 4	5.2 to 6.2
	Agendia NGS Binding Buffer	7.1 to 8.1
	Agendia NGS Wash Buffer 1	6.5 to 7.5
	Agendia NGS Wash Buffer 2	6.8 to 7.8
	Agendia NGS Elution Buffer	12.2 to 13.4
Agendia NGS Neutralization Buffer	Not available.	
Melting point	: Agendia NGS Nuclease-Free Water	0°C (32°F)
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	0°C (32°F)
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	0°C (32°F)
	Agendia NGS Wash Buffer 2	0°C (32°F)
	Agendia NGS Elution Buffer	0°C (32°F)
Agendia NGS Neutralization Buffer	Not available.	
Boiling point	: Agendia NGS Nuclease-Free Water	100°C (212°F)
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	100°C (212°F)
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	100°C (212°F)
	Agendia NGS Wash Buffer 2	100°C (212°F)
	Agendia NGS Elution Buffer	100°C (212°F)
Agendia NGS Neutralization Buffer	Not available.	
Flash point	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
Agendia NGS Neutralization Buffer	Not available.	
Evaporation rate	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
Agendia NGS Wash Buffer 2	7.3 (butyl acetate = 1)	

Section 9. Physical and chemical properties

	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Flammability (solid, gas)	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Hyb 1	Not applicable.
	Agendia NGS Hyb 2	Not applicable.
	Agendia NGS Hyb 4	Not applicable.
	Agendia NGS Binding Buffer	Not applicable.
	Agendia NGS Wash Buffer 1	Not applicable.
	Agendia NGS Wash Buffer 2	Not applicable.
	Agendia NGS Elution Buffer	Not applicable.
	Agendia NGS Neutralization Buffer	Not applicable.
Lower and upper explosive (flammable) limits	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Vapor pressure	: Agendia NGS Nuclease-Free Water	3.2 kPa (23.8 mm Hg) [room temperature]
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Vapor density	: Agendia NGS Nuclease-Free Water	0.62 [Air = 1]
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Relative density	: Agendia NGS Nuclease-Free Water	1.0 [@ 3.98°C (39.16°F)]
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.

Section 9. Physical and chemical properties

Solubility	: Agendia NGS Nuclease-Free Water	Easily soluble in the following materials: cold water and hot water.
	Agendia NGS Hyb 1	Soluble in the following materials: cold water and hot water.
	Agendia NGS Hyb 2	Soluble in the following materials: cold water and hot water.
	Agendia NGS Hyb 4	Easily soluble in the following materials: cold water and hot water.
	Agendia NGS Binding Buffer	Easily soluble in the following materials: cold water and hot water.
	Agendia NGS Wash Buffer 1	Easily soluble in the following materials: cold water and hot water.
	Agendia NGS Wash Buffer 2	Easily soluble in the following materials: cold water and hot water.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Agendia NGS Nuclease-Free Water	-1.38
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Auto-ignition temperature	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Decomposition temperature	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.
Viscosity	: Agendia NGS Nuclease-Free Water	Not available.
	Agendia NGS Hyb 1	Not available.
	Agendia NGS Hyb 2	Not available.
	Agendia NGS Hyb 4	Not available.
	Agendia NGS Binding Buffer	Not available.
	Agendia NGS Wash Buffer 1	Not available.
	Agendia NGS Wash Buffer 2	Not available.
	Agendia NGS Elution Buffer	Not available.
	Agendia NGS Neutralization Buffer	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p> <p>No specific test data related to reactivity available for this product or its ingredients.</p>
10.2 Chemical stability	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>The product is stable.</p> <p>The product is stable.</p> <p>The product is stable.</p> <p>The product is stable.</p> <p>The product is stable.</p> <p>The product is stable.</p> <p>The product is stable.</p> <p>The product is stable.</p>
10.3 Possibility of hazardous reactions	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer 	<p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p> <p>Under normal conditions of storage and use, hazardous reactions will not occur.</p>
10.4 Conditions to avoid	<ul style="list-style-type: none"> : Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 	<p>No specific data.</p> <p>No specific data.</p> <p>No specific data.</p> <p>No specific data.</p> <p>No specific data.</p> <p>No specific data.</p>

Section 10. Stability and reactivity

	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	No specific data.
10.5 Incompatible materials	: Agendia NGS Nuclease-Free Water	May react or be incompatible with oxidizing materials.
	Agendia NGS Hyb 1	May react or be incompatible with oxidizing materials.
	Agendia NGS Hyb 2	May react or be incompatible with oxidizing materials.
	Agendia NGS Hyb 4	May react or be incompatible with oxidizing materials.
	Agendia NGS Binding Buffer	May react or be incompatible with oxidizing materials.
	Agendia NGS Wash Buffer 1	May react or be incompatible with oxidizing materials.
	Agendia NGS Wash Buffer 2	May react or be incompatible with oxidizing materials.
	Agendia NGS Elution Buffer	Reactive or incompatible with the following materials: acids metals
	Agendia NGS Neutralization Buffer	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: Agendia NGS Nuclease-Free Water	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Hyb 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Hyb 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Hyb 4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Elution Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agendia NGS Neutralization Buffer	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
Agendia NGS Hyb 1 Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
Sodium dihydrogenorthophosphate	LD50 Oral	Rat	8290 mg/kg	-
Agendia NGS Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	LD50 Oral	Rat	2 g/kg	-
Agendia NGS Binding Buffer Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
Agendia NGS Elution Buffer Sodium hydroxide	LD50 Dermal	Rabbit	1350 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Agendia NGS Hyb 1 Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Sodium dihydrogenorthophosphate	Eyes - Mild irritant	Rabbit	-	150 mg	-
Agendia NGS Binding Buffer Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Agendia NGS Elution Buffer Sodium hydroxide	Eyes - Severe irritant	Rabbit	-	24 hours 50 ug	-
	Eyes - Severe irritant	Rabbit	-	1 %	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Section 11. Toxicological information

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Agendia NGS Elution Buffer Sodium hydroxide	Category 3	-	Respiratory tract irritation
Agendia NGS Neutralization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Agendia NGS Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	Category 2	inhalation	respiratory tract

Aspiration hazard

Not available.

Information on the likely routes of exposure	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	Not available. Routes of entry anticipated: Oral, Dermal, Inhalation. Routes of entry anticipated: Oral, Dermal, Inhalation. Not available. Not available. Not available. Not available. Routes of entry anticipated: Oral, Dermal, Inhalation. Routes of entry anticipated: Oral, Dermal, Inhalation.
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Potential acute health effects

Eye contact	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1 Agendia NGS Wash Buffer 2 Agendia NGS Elution Buffer Agendia NGS Neutralization Buffer	No known significant effects or critical hazards. Causes serious eye irritation. Causes serious eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes eye irritation. Causes serious eye irritation.
Inhalation	: Agendia NGS Nuclease-Free Water Agendia NGS Hyb 1 Agendia NGS Hyb 2 Agendia NGS Hyb 4 Agendia NGS Binding Buffer Agendia NGS Wash Buffer 1	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Section 11. Toxicological information

	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
	Agendia NGS Neutralization Buffer	No known significant effects or critical hazards.
Skin contact	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
	Agendia NGS Neutralization Buffer	Causes skin irritation.
Ingestion	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
	Agendia NGS Neutralization Buffer	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	Adverse symptoms may include the following: pain or irritation watering redness
	Agendia NGS Hyb 2	Adverse symptoms may include the following: pain or irritation watering redness
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	Adverse symptoms may include the following: irritation watering redness
	Agendia NGS Neutralization Buffer	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	No specific data.
	Agendia NGS Hyb 2	No specific data.
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	No specific data.

Section 11. Toxicological information

Skin contact	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	No specific data.
	Agendia NGS Hyb 2	No specific data.
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	Adverse symptoms may include the following: irritation redness
Ingestion	: Agendia NGS Nuclease-Free Water	No specific data.
	Agendia NGS Hyb 1	No specific data.
	Agendia NGS Hyb 2	No specific data.
	Agendia NGS Hyb 4	No specific data.
	Agendia NGS Binding Buffer	No specific data.
	Agendia NGS Wash Buffer 1	No specific data.
	Agendia NGS Wash Buffer 2	No specific data.
	Agendia NGS Elution Buffer	No specific data.
	Agendia NGS Neutralization Buffer	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	May cause damage to organs through prolonged or repeated exposure.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
	Agendia NGS Neutralization Buffer	No known significant effects or critical hazards.
Carcinogenicity	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
	Agendia NGS Neutralization Buffer	No known significant effects or critical hazards.

Section 11. Toxicological information

Mutagenicity	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
Teratogenicity	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
Developmental effects	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
Fertility effects	: Agendia NGS Nuclease-Free Water	No known significant effects or critical hazards.
	Agendia NGS Hyb 1	No known significant effects or critical hazards.
	Agendia NGS Hyb 2	No known significant effects or critical hazards.
	Agendia NGS Hyb 4	No known significant effects or critical hazards.
	Agendia NGS Binding Buffer	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 1	No known significant effects or critical hazards.
	Agendia NGS Wash Buffer 2	No known significant effects or critical hazards.
	Agendia NGS Elution Buffer	No known significant effects or critical hazards.
Agendia NGS Neutralization Buffer	No known significant effects or critical hazards.	

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Agendia NGS Hyb 1					
Agendia NGS Hyb 1	17142.9	N/A	N/A	N/A	N/A
Sodium chloride	3000	N/A	N/A	N/A	N/A
Sodium dihydrogenorthophosphate	8290	N/A	N/A	N/A	N/A
Agendia NGS Hyb 2					
Agendia NGS Hyb 2	13698.6	N/A	N/A	N/A	10.3
Disodium dihydrogen ethylenediaminetetraacetate	2000	N/A	N/A	N/A	1.5

Section 11. Toxicological information

Agendia NGS Hyb 4					
Agendia NGS Hyb 4	128800	N/A	N/A	N/A	N/A
Sulfuric acid monododecyl ester sodium salt (1:1)	1288	N/A	N/A	N/A	N/A
Agendia NGS Binding Buffer					
Agendia NGS Binding Buffer	51775.9	N/A	N/A	N/A	N/A
Sodium chloride	3000	N/A	N/A	N/A	N/A
Agendia NGS Elution Buffer					
Sodium hydroxide	N/A	1350	N/A	N/A	N/A

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Agendia NGS Hyb 1			
Sodium chloride	Acute EC50 4.74 g/L Fresh water	Algae - Chlamydomonas reinhardtii	96 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
	Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days
	Chronic NOEC 100 mg/l Fresh water	Fish - Gambusia holbrooki - Adult	8 weeks
Sodium dihydrogenorthophosphate	Acute LC50 720 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
Agendia NGS Binding Buffer			
Sodium chloride	Acute EC50 4.74 g/L Fresh water	Algae - Chlamydomonas reinhardtii	96 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
	Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days
	Chronic NOEC 100 mg/l Fresh water	Fish - Gambusia holbrooki - Adult	8 weeks
Agendia NGS Elution Buffer			
Sodium hydroxide	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours

12.2 Persistence and degradability

Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Agendia NGS Nuclease-Free Water Water	-	-	Readily
Agendia NGS Elution Buffer Sodium hydroxide	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Agendia NGS Nuclease-Free Water Water	-1.38	-	low
Agendia NGS Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	-4.3	1.8	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

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

Section 13. Disposal considerations

13.1 Waste treatment methods

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. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **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 to IMO instruments : Not available.

Section 15. Regulatory information

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

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
Clean Water Act (CWA) 311: Edetic acid; Sodium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification	: Agendia NGS Nuclease-Free Water	Not applicable.
	Agendia NGS Hyb 1	EYE IRRITATION - Category 2A
	Agendia NGS Hyb 2	EYE IRRITATION - Category 2A
	Agendia NGS Hyb 4	Not applicable.
	Agendia NGS Binding Buffer	Not applicable.
	Agendia NGS Wash Buffer 1	Not applicable.
	Agendia NGS Wash Buffer 2	Not applicable.
	Agendia NGS Elution Buffer	CORROSIVE TO METALS - Category 1
	Agendia NGS Neutralization Buffer	EYE IRRITATION - Category 2B SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A

Composition/information on ingredients

Section 15. Regulatory information

Name	%	Classification
Agendia NGS Hyb 1 Sodium chloride Sodium dihydrogenorthophosphate	≥10 - ≤25 ≤3	EYE IRRITATION - Category 2A EYE IRRITATION - Category 2B
Agendia NGS Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	≥10 - ≤25	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Agendia NGS Hyb 4 Sulfuric acid monododecyl ester sodium salt (1:1)	≤3	ACUTE TOXICITY (oral) - Category 4
Agendia NGS Binding Buffer Sodium chloride	<10	EYE IRRITATION - Category 2A
Agendia NGS Elution Buffer Sodium hydroxide	<1	CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (dermal) - Category 4 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Corrosive to digestive tract
Agendia NGS Neutralization Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	≥10 - <20	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

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.

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.

Section 15. Regulatory information

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (ENCS) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

Section 16. Other information

History

Date of issue	: 08/25/2020
Date of previous issue	: 01/20/2020
Version	: 2.1

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)
: N/A = Not available
: UN = United Nations

Procedure used to derive the classification

Classification	Justification
Agendia NGS Hyb 1 EYE IRRITATION - Category 2A	Calculation method
Agendia NGS Hyb 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method Calculation method
Agendia NGS Elution Buffer CORROSIVE TO METALS - Category 1 EYE IRRITATION - Category 2B	Expert judgment Expert judgment
Agendia NGS Neutralization Buffer SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A	Calculation method Calculation method

Indicates information that has changed from previously issued version.

Section 16. Other information

[Notice to reader](#)

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.