

Section 2. Hazards identification

Classification of the substance or mixture

Not classified.

2.2 GHS label elements

Signal word	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No signal word. No signal word. No signal word. No signal word.
Hazard statements	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
<u>Precautionary statements</u>		
Prevention	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not applicable. Not applicable. Not applicable. Not applicable.
Response	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not applicable. Not applicable. Not applicable. Not applicable.
Storage	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	None known. None known. None known. None known.

2.3 Other hazards

Hazards not otherwise classified	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	None known. None known. None known. None known.
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Section 3. Composition/information on ingredients

Substance/mixture	: Alien RNA Transcript 3 x 10E10 copies/ μ l Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Mixture Mixture Mixture Mixture
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Section 3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Alien RNA Transcript 3 x 10E10 copies/ μ l	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.
	Alien Probe Forward Primer	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.
	Alien Probe Reverse Primer	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.
	Alien Probe (FAM)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Alien RNA Transcript 3 x 10E10 copies/ μ l	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Alien Probe Forward Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Alien Probe Reverse Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Alien Probe (FAM)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Alien RNA Transcript 3 x 10E10 copies/ μ l	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Alien Probe Forward Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Alien Probe Reverse Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Alien Probe (FAM)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Alien RNA Transcript 3 x 10E10 copies/ μ l	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Alien Probe Forward Primer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Alien Probe Reverse Primer	Wash out mouth with water. If material has been

Section 4. First aid measures

Alien Probe (FAM)

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.

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

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Inhalation	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Skin contact	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Ingestion	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.

Over-exposure signs/symptoms

Eye contact	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
Inhalation	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
Skin contact	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
Ingestion	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.

Section 4. First aid measures

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

Notes to physician	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific treatment. No specific treatment. No specific treatment. No specific treatment.
Protection of first-aiders	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	None known. None known. None known. None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
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Section 5. Fire-fighting measures

Hazardous thermal decomposition products	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
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5.3 Advice for firefighters

Special protective actions for fire-fighters	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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. 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. 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. 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	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive 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. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive 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.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer	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. 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. 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.
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Section 6. Accidental release measures

	Alien Probe (FAM)	touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	: Alien RNA Transcript 3 x 10E10 copies/μl	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".
	Alien Probe Forward Primer	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".
	Alien Probe Reverse Primer	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".
	Alien Probe (FAM)	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".
6.2 Environmental precautions	: Alien RNA Transcript 3 x 10E10 copies/μl	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).
	Alien Probe Forward Primer	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).
	Alien Probe Reverse Primer	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).
	Alien Probe (FAM)	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	: Alien RNA Transcript 3 x 10E10 copies/μl	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.
	Alien Probe Forward Primer	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 6. Accidental release measures

Alien Probe Reverse Primer	disposal contractor. 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.
Alien Probe (FAM)	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	: Alien RNA Transcript 3 x 10E10 copies/ μ l	Put on appropriate personal protective equipment (see Section 8).
	Alien Probe Forward Primer	Put on appropriate personal protective equipment (see Section 8).
	Alien Probe Reverse Primer	Put on appropriate personal protective equipment (see Section 8).
	Alien Probe (FAM)	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Alien RNA Transcript 3 x 10E10 copies/ μ l	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.
	Alien Probe Forward Primer	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.
	Alien Probe Reverse Primer	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.
	Alien Probe (FAM)	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.

Section 7. Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

: Alien RNA Transcript 3 x 10E10 copies/μl

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.

Alien Probe Forward Primer

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.

Alien Probe Reverse Primer

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.

Alien Probe (FAM)

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

: Alien RNA Transcript 3 x 10E10 copies/μl

Industrial applications, Professional applications.

Alien Probe Forward Primer

Industrial applications, Professional applications.

Alien Probe Reverse Primer

Industrial applications, Professional applications.

Alien Probe (FAM)

Industrial applications, Professional applications.

Industrial sector specific solutions

: Alien RNA Transcript 3 x 10E10 copies/μl

Not available.

Alien Probe Forward Primer

Not available.

Alien Probe Reverse Primer

Not available.

Alien Probe (FAM)

Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
None.	

Biological exposure indices

No exposure indices known.

8.2 Exposure controls

Appropriate engineering controls

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

Environmental exposure controls

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

Individual protection measures

Hygiene measures

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

Eye/face protection

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

Skin protection

Hand protection

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

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 and safety characteristics

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

Appearance

Physical state

Alien RNA Transcript	3 x 10E10 copies/μl	Liquid.
Alien Probe Forward Primer		Liquid.
Alien Probe Reverse Primer		Liquid.
Alien Probe (FAM)		Liquid.

Section 9. Physical and chemical properties and safety characteristics

Color	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. Not available. Not available. Not available.
Odor	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. Not available. Not available. Not available.
Odor threshold	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. Not available. Not available. Not available.
pH	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. 7.5 7.5 7.5
Melting point/freezing point	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	0°C (32°F) 0°C (32°F) 0°C (32°F) 0°C (32°F)
Boiling point, initial boiling point, and boiling range	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	100°C (212°F) 100°C (212°F) 100°C (212°F) 100°C (212°F)
Flash point	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. Not available. Not available. Not available.
Evaporation rate	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. Not available. Not available. Not available.
Flammability	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not applicable. Not applicable. Not applicable. Not applicable.
Lower and upper explosion limit/flammability limit	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	Not available. Not available. Not available. Not available.
Vapor pressure	:	

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Alien RNA Transcript 3 x 10E10 copies/μl						
water	17.5	2.3	-	92.258	12.3	-
Alien Probe Forward Primer						
water	17.5	2.3	-	92.258	12.3	-
Alien Probe Reverse Primer						
water	17.5	2.3	-	92.258	12.3	-
Alien Probe (FAM)						
water	17.5	2.3	-	92.258	12.3	-

Relative vapor density : Alien RNA Transcript 3 x 10E10 copies/μl Not available.
 Alien Probe Forward Primer Not available.
 Alien Probe Reverse Primer Not available.
 Alien Probe (FAM) Not available.

Relative density : Alien RNA Transcript 3 x 10E10 copies/μl Not available.
 Alien Probe Forward Primer Not available.
 Alien Probe Reverse Primer Not available.
 Alien Probe (FAM) Not available.

Media	Result
Alien RNA Transcript 3 x 10E10 copies/μl	
water	Soluble
Alien Probe Forward Primer	
water	Soluble
Alien Probe Reverse Primer	
water	Soluble
Alien Probe (FAM)	
water	Soluble

Partition coefficient: n-octanol/water : Alien RNA Transcript 3 x 10E10 copies/μl Not applicable.
 Alien Probe Forward Primer Not applicable.
 Alien Probe Reverse Primer Not applicable.
 Alien Probe (FAM) Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Alien RNA Transcript 3 x 10E10 copies/μl Not available.
 Alien Probe Forward Primer Not available.
 Alien Probe Reverse Primer Not available.
 Alien Probe (FAM) Not available.

Section 9. Physical and chemical properties and safety characteristics

Viscosity	: Alien RNA Transcript 3 x 10E10 copies/μl	Not available.
	Alien Probe Forward Primer	Not available.
	Alien Probe Reverse Primer	Not available.
	Alien Probe (FAM)	Not available.

Particle characteristics

Median particle size	: Alien RNA Transcript 3 x 10E10 copies/μl	Not applicable.
	Alien Probe Forward Primer	Not applicable.
	Alien Probe Reverse Primer	Not applicable.
	Alien Probe (FAM)	Not applicable.

Section 10. Stability and reactivity

10.1 Reactivity	: Alien RNA Transcript 3 x 10E10 copies/μl	No specific test data related to reactivity available for this product or its ingredients.
	Alien Probe Forward Primer	No specific test data related to reactivity available for this product or its ingredients.
	Alien Probe Reverse Primer	No specific test data related to reactivity available for this product or its ingredients.
	Alien Probe (FAM)	No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability	: Alien RNA Transcript 3 x 10E10 copies/μl	The product is stable.
	Alien Probe Forward Primer	The product is stable.
	Alien Probe Reverse Primer	The product is stable.
	Alien Probe (FAM)	The product is stable.

10.3 Possibility of hazardous reactions	: Alien RNA Transcript 3 x 10E10 copies/μl	Under normal conditions of storage and use, hazardous reactions will not occur.
	Alien Probe Forward Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Alien Probe Reverse Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Alien Probe (FAM)	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid	: Alien RNA Transcript 3 x 10E10 copies/μl	No specific data.
	Alien Probe Forward Primer	No specific data.
	Alien Probe Reverse Primer	No specific data.
	Alien Probe (FAM)	No specific data.

10.5 Incompatible materials	: Alien RNA Transcript 3 x 10E10 copies/μl	May react or be incompatible with oxidizing materials.
	Alien Probe Forward Primer	May react or be incompatible with oxidizing materials.
	Alien Probe Reverse Primer	May react or be incompatible with oxidizing materials.
	Alien Probe (FAM)	May react or be incompatible with oxidizing materials.

Section 10. Stability and reactivity

10.6 Hazardous decomposition products	: Alien RNA Transcript 3 x 10E10 copies/µl	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Alien Probe Forward Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Alien Probe Reverse Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Alien Probe (FAM)	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

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	: Alien RNA Transcript 3 x 10E10 copies/µl	Not available.
	Alien Probe Forward Primer	Not available.
	Alien Probe Reverse Primer	Not available.
	Alien Probe (FAM)	Not available.

Potential acute health effects

Eye contact	: Alien RNA Transcript 3 x 10E10 copies/µl	No known significant effects or critical hazards.
	Alien Probe Forward Primer	No known significant effects or critical hazards.
	Alien Probe Reverse Primer	No known significant effects or critical hazards.
	Alien Probe (FAM)	No known significant effects or critical hazards.

Section 11. Toxicological information

Inhalation	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Skin contact	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Ingestion	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
Inhalation	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
Skin contact	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. No specific data.
Ingestion	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	No specific data. No specific data. No specific data. 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	: Alien RNA Transcript 3 x 10E10 copies/µl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
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Section 11. Toxicological information

Carcinogenicity	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Mutagenicity	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.
Reproductive toxicity	: Alien RNA Transcript 3 x 10E10 copies/μl Alien Probe Forward Primer Alien Probe Reverse Primer Alien Probe (FAM)	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.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 13. Disposal considerations

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: EDTA

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	:	Alien RNA Transcript 3 x 10E10 copies/µl	Not applicable.
		Alien Probe Forward Primer	Not applicable.
		Alien Probe Reverse Primer	Not applicable.
		Alien Probe (FAM)	Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Section 15. Regulatory information

- 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.

Inventory list

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

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

- Date of issue/Date of revision** : 07/15/2024
- Date of previous issue** : 07/20/2021
- Version** : 5

Section 16. Other information

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

✔ Indicates information that has changed from previously issued version.

Notice to reader

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