

SAFETY DATA SHEET



Universal Mouse Reference RNA, Part Number 740100

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

1.1 Product identifier

Product name : Universal Mouse Reference RNA, Part Number 740100
Part no. (chemical kit) : 740100
Part no. : RNase Free Water 740000-42
Universal Mouse 740100-41
Reference RNA

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

Material uses : Analytical reagent.
 RNase Free Water 1.5 ml
Universal Mouse Reference RNA 2 x 1.8 ml (200 µg ppt in EtOH)

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : RNase Free Water Mono-constituent substance
Universal Mouse Mixture
Reference RNA

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Universal Mouse Reference RNA

H225 FLAMMABLE LIQUIDS - Category 2

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

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

2.2 Label elements

Hazard pictograms : Universal Mouse Reference RNA



Signal word : RNase Free Water No signal word.
Universal Mouse Danger
Reference RNA

Date of issue/Date of revision : 18/11/2018

Universal Mouse Reference RNA, Part Number 740100

SECTION 2: Hazards identification

Hazard statements	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	No known significant effects or critical hazards. H225 - Highly flammable liquid and vapour.
Precautionary statements		
Prevention	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Storage	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. Not applicable.
Disposal	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. Not applicable.
Special packaging requirements		
Tactile warning of danger	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	Not applicable. Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	: <input checked="" type="checkbox"/> N ase Free Water Universal Mouse Reference RNA	None known. None known.
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SECTION 3: Composition/information on ingredients

3.1 Substances : **N**ase Free Water Mono-constituent substance
Universal Mouse Reference RNA Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
<input checked="" type="checkbox"/> N ase Free Water Water	REACH #: Annex IV EC: 231-791-2 CAS: 7732-18-5	100	Not classified.	[A]
Universal Mouse Reference RNA Ethanol	EC: 200-578-6 CAS: 64-17-5 Index: 603-002-00-5	≥50 - ≤75	Flam. Liq. 2, H225 See Section 16 for the full text of the H statements declared above.	[2]

SECTION 3: Composition/information on ingredients

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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy
- [A] Constituent
- [B] Impurity
- [C] Stabilising additive

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: <input checked="" type="checkbox"/> Nose Free Water Universal Mouse Reference RNA	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. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: <input checked="" type="checkbox"/> Nose Free Water Universal Mouse Reference RNA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.
Skin contact	: <input checked="" type="checkbox"/> Nose Free Water Universal Mouse Reference RNA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: <input checked="" type="checkbox"/> Nose Free Water Universal Mouse Reference RNA	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. 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

SECTION 4: First aid measures

Protection of first-aiders : Nose Free Water

Universal Mouse
Reference RNA

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

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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact : Nose Free Water

Universal Mouse
Reference RNA

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Inhalation : Nose Free Water

Universal Mouse
Reference RNA

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Skin contact : Nose Free Water

Universal Mouse
Reference RNA

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Ingestion : Nose Free Water

Universal Mouse
Reference RNA

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Nose Free Water

Universal Mouse
Reference RNA

No specific data.

No specific data.

Inhalation : Nose Free Water

Universal Mouse
Reference RNA

No specific data.

No specific data.

Skin contact : Nose Free Water

Universal Mouse
Reference RNA

No specific data.

No specific data.

Ingestion : Nose Free Water

Universal Mouse
Reference RNA

No specific data.

No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Nose Free Water

Universal Mouse
Reference RNA

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 : Nose Free Water

Universal Mouse
Reference RNA

No specific treatment.

No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Nose Free Water

Universal Mouse
Reference RNA

Use an extinguishing agent suitable for the surrounding fire.

Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : Nose Free Water



Universal Mouse
Reference RNA

None known.



Do not use water jet.

SECTION 5: Firefighting measures

5.2 Special hazards arising from the substance or mixture



Hazards from the substance or mixture	:  Nase Free Water Universal Mouse Reference RNA	In a fire or if heated, a pressure increase will occur and the container may burst. Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous combustion products	:  Nase Free Water Universal Mouse Reference RNA	No specific data. Decomposition products may include the following materials: carbon dioxide carbon monoxide

5.3 Advice for firefighters


Special precautions for fire-fighters	:  Nase Free Water Universal Mouse Reference RNA	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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	:  Nase Free Water Universal Mouse Reference RNA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures


6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:  Nase Free Water Universal Mouse Reference RNA	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. 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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:  Nase Free Water Universal Mouse Reference RNA	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

SECTION 6: Accidental release measures

6.2 Environmental precautions	:  Nase Free Water	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Universal Mouse Reference RNA	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).



6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:  Nase 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.
	Universal Mouse Reference RNA	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.

6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	:  Nase Free Water	Put on appropriate personal protective equipment (see Section 8).
	Universal Mouse Reference RNA	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:  Nase 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.
	Universal Mouse Reference RNA	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.

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SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

Storage	: <input checked="" type="checkbox"/> Nase 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Universal Mouse Reference RNA	Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
<input checked="" type="checkbox"/> Universal Mouse Reference RNA P5c	5000	50000

7.3 Specific end use(s)

Recommendations	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not applicable. Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Universal Mouse Reference RNA Ethanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 1000 ppm 8 hours. TWA: 1920 mg/m ³ 8 hours.

Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for
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Date of issue/Date of revision : 18/11/2018

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SECTION 8: Exposure controls/personal protection

methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. 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.

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Liquid. Liquid.
Colour	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Colourless. Not available.
Odour	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Odourless. Not available.
Odour threshold	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.

SECTION 9: Physical and chemical properties

pH	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	7 Not available.
Melting point/freezing point	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	0°C Not available.
Initial boiling point and boiling range	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	100°C Not available.
Flash point	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not applicable. Closed cup: -18 to 23°C
Evaporation rate	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.
Flammability (solid, gas)	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not applicable. Not applicable.
Upper/lower flammability or explosive limits	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.
Vapour pressure	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	3.2 kPa [room temperature] Not available.
Vapour density	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	0.62 [Air = 1] Not available.
Relative density	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	1 Not available.
Solubility(ies)	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	-1.38 Not available.
Auto-ignition temperature	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not applicable. Not available.
Decomposition temperature	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.
Viscosity	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.
Explosive properties	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.
Oxidising properties	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	No specific data. Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	May react or be incompatible with oxidising materials. Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : 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.

SECTION 11: Toxicological information

Aspiration hazard

Not available.

Information on likely routes of exposure : Nose Free Water Universal Mouse Reference RNA Not available.
Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Inhalation : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

Ingestion : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

Skin contact : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

Eye contact : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : Nose Free Water Universal Mouse Reference RNA No specific data.
No specific data.

Ingestion : Nose Free Water Universal Mouse Reference RNA No specific data.
No specific data.

Skin contact : Nose Free Water Universal Mouse Reference RNA No specific data.
No specific data.

Eye contact : Nose Free Water Universal Mouse Reference RNA No specific data.
No specific data.

Delayed and immediate effects as well as 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 : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

Carcinogenicity : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

Mutagenicity : Nose Free Water Universal Mouse Reference RNA No known significant effects or critical hazards.
No known significant effects or critical hazards.

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SECTION 11: Toxicological information

Teratogenicity	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	No known significant effects or critical hazards. No known significant effects or critical hazards.
Other information	: <input checked="" type="checkbox"/> Nase Free Water Universal Mouse Reference RNA	Not available. Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<input checked="" type="checkbox"/> Nase Free Water Water	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
<input checked="" type="checkbox"/> Nase Free Water Water	-1.38	-	low

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Date of issue/Date of revision : 18/11/2018




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SECTION 13: Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	UN3316	UN3316	UN3316
14.2 UN proper shipping name	CHEMICAL KIT	CHEMICAL KIT	Chemical kit
14.3 Transport hazard class(es)	9 	9 	9 
14.4 Packing group	II	II	II
14.5 Environmental hazards	No.	No.	No.

Additional information

- ADR/RID** : **Hazard identification number** 90
Limited quantity See SP 251
Special provisions 251, 340
Tunnel code (E)
- IMDG** : **Emergency schedules** F-A, _S-P_
Special provisions 251, 340
- IATA** : **Quantity limitation** Passenger and Cargo Aircraft: 10 kg. Packaging instructions: 960. Cargo Aircraft Only: 10 kg. Packaging instructions: 960. Limited Quantities - Passenger Aircraft: 1 kg. Packaging instructions: Y960.
Special provisions A44, A163
- 14.6 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.

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : **N**ase Free Water Not applicable.
 Universal Mouse Reference RNA Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

Danger criteria

Category

Universal Mouse Reference RNA
P5c

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

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.
Europe : All components are listed or exempted.
Japan : **Japan inventory (ENCS)**: All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.
Malaysia : Not determined.
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 listed or exempted.
Viet Nam : Not determined.

Universal Mouse Reference RNA, Part Number 740100

SECTION 15: Regulatory information

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Universal Mouse Reference RNA Flam. Liq. 2, H225	On basis of test data

Full text of abbreviated H statements

Universal Mouse Reference RNA H225	Highly flammable liquid and vapour.
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Full text of classifications [CLP/GHS]

Universal Mouse Reference RNA Flam. Liq. 2, H225	FLAMMABLE LIQUIDS - Category 2
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Date of issue/ Date of revision : 18/11/2018

Date of previous issue : 30/09/2016

Version : 2

Notice to reader

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