SAFETY DATA SHEET



FP RNA Dilution Buffer, Part Number FP-6501-0003

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

| 1.1 Product identifier | |
|------------------------|--|
| Product name | : FP RNA Dilution Buffer, Part Number FP-6501-0003 |
| Part no. | : FP-6501-0003 |

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

| Material uses | : Analytical reagent. |
|---------------|--|
| | FP-6501-0003 FP RNA Dilution Buffer, 3mL |

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 : pdl-msds_author@agilent.com responsible for this SDS

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

| Product definition | on : Mixture | |
|--------------------|---|-------------|
| Classification ac | cording to Regulation (EC) No. 1272/2008 [CLP/GHS] | |
| <mark>⊮</mark> 351 | CARCINOGENICITY | Category 2 |
| H360D | REPRODUCTIVE TOXICITY | Category 1B |
| H373 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | 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



: Danger

Signal word Hazard statements

: ₩351 - Suspected of causing cancer. H360D - May damage the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 2: Hazards identification

| | - | |
|---|---|--|
| Prevention | : | 201 - Obtain special instructions before use. P280 - Wear protective gloves, protective clothing and eye or face protection. P260 - Do not breathe vapour. |
| Response | : | ₱308 + P313 - IF exposed or concerned: Get medical advice or attention. |
| Storage | : | Not applicable. |
| Disposal | : | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazardous ingredients | : | Formamide |
| Supplemental label elements | : | Not applicable. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | • | Restricted to professional users. |
| Special packaging require | m | <u>ents</u> |
| Tactile warning of danger | : | Not applicable. |
| 2.3 Other hazards | | |
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification | : | None known. |

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

| Product/ingredient name | Identifiers | % | Regulation (EC) No. 1272/2008 [CLP] | Туре |
|-------------------------|--|-----------|--|---------|
| Formamide | EC: 200-842-0 CAS: 75-12-7 Index: 616-052-00-8 | ≥50 - ≤75 | Carc. 2, H351 Repr. 1B, H360D STOT RE 2, H373 (blood) (oral) | [1] [2] |
| | | | See Section 16 for the full text of the H statements declared above. | |

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit 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

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 4: First aid measures

| 4.1 Description of first aid n | neasures |
|--------------------------------|---|
| Eye contact | : 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 | : 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 unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Skin contact | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : 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. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

4.2 Most important symptoms and effects, both acute and delayed

| Potential acute health ef | <u>fects</u> | | | | |
|--------------------------------|---------------------------|--|-----------------|---|------|
| Eye contact | : No known | significant effects or crit | ical hazards. | | |
| Inhalation | : No known | significant effects or crit | ical hazards. | | |
| Skin contact | : No known | significant effects or crit | ical hazards. | | |
| Ingestion | : No known | significant effects or crit | ical hazards. | | |
| Over-exposure signs/syr | <u>nptoms</u> | | | | |
| Eye contact | : No specific | data. | | | |
| Inhalation | reduced fo increase in | /mptoms may include th etal weight i foetal deaths alformations | e following: | | |
| Skin contact | reduced fo increase in | /mptoms may include th etal weight i foetal deaths alformations | e following: | | |
| Ingestion | reduced fo increase in | /mptoms may include th etal weight i foetal deaths alformations | e following: | | |
| 4.3 Indication of any imme | ediate medical | attention and special t | reatment needed | | |
| Notes to physician | | | | symptoms may be delay I surveillance for 48 hour | |
| Specific treatments | : No specific | treatment. | | | |
| Date of issue/Date of revision | : 12/02/2021 | Date of previous issue | :08/10/2018 | Version : 2 | 3/12 |

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 5: Firefighting measures

| • | | |
|--|-----|---|
| 5.1 Extinguishing media Suitable extinguishing media | : | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : | None known. |
| 5.2 Special hazards arising | fro | m the substance or mixture |
| Hazards from the substance or mixture | : | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous combustion products | : | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides |
| 5.3 Advice for firefighters | | |
| Special precautions for fire-fighters | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire- fighters | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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 | : | 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|---------------------------------|------|---|
| For emergency responders | : | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| 6.2 Environmental precautions | : | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| 6.3 Methods and material fo | or c | containment and cleaning up |
| Methods for cleaning up | : | 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 material(s) and residues under controlled conditions. |
| 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. |

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 7: Handling and storage

| Protective measures : | Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|---|---|
| Advice on general : occupational hygiene | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

7.2 Conditions for safe storage, including any incompatibilities

Storage

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

| 7.3 Specific end use(s) |
|-------------------------|
| Recommendations |

: Industrial applications, Professional applications.

Industrial sector specific : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Product/ingree | dient name | Exposure limit values |
|--------------------------------------|---|---|
| Formamide | | EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 56 mg/m ³ 15 minutes. STEL: 30 ppm 15 minutes. TWA: 37 mg/m ³ 8 hours. TWA: 20 ppm 8 hours. |
| Recommended monitoring procedures | atmosphere or bid the ventilation or of protective equipm following: Europe assessment of ex values and measu atmospheres - Gu exposure to chem atmospheres - Ge measurement of of | tains ingredients with exposure limits, personal, workplace ological monitoring may be required to determine the effectiveness of other control measures and/or the necessity to use respiratory ent. Reference should be made to monitoring standards, such as the an Standard EN 689 (Workplace atmospheres - Guidance for the posure by inhalation to chemical agents for comparison with limit urement strategy) European Standard EN 14042 (Workplace ide for the application and use of procedures for the assessment of ical and biological agents) European Standard EN 482 (Workplace eneral requirements for the performance of procedures for the chemical agents) Reference to national guidance documents for etermination of hazardous substances will also be required. |

DNELs/DMELs

No DNELs/DMELs available.

PNECs

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 8: Exposure controls/personal protection

No PNECs available

| 8.2 Exposure controls | | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|--|
| Appropriate engineering controls | : | If user operations generate dust, fumes, gas, vapour 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. | | | | | | |
| 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. 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 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

| <u>Appearance</u> | |
|--|-------------------|
| Physical state | : Liquid. |
| Colour | : Not available. |
| Odour | : Not available. |
| Odour threshold | : Not available. |
| рН | : 8 |
| Melting point/freezing point | : Not available. |
| Initial boiling point and boiling range | : Not available. |
| Flash point | : Not available. |
| Evaporation rate | : Not available. |
| Flammability (solid, gas) | : Not applicable. |

FP RNA Dilution Buffer, Part Number FP-6501-0003

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SECTION 9: Physical and chemical properties

| Upper/lower flammability or explosive limits | : | Not available. | |
|--|---|--|--|
| Vapour pressure | : | Not available. | |
| Vapour density | 1 | Not available. | |
| Relative density | 1 | Not available. | |
| Solubility(ies) | 1 | Easily soluble in the following materials: cold water and hot water. | |
| Partition coefficient: n- octanol/water | : | Not available. | |
| Auto-ignition temperature | : | Not available. | |
| Decomposition temperature | : | Not available. | |
| Viscosity | 1 | Not available. | |
| Explosive properties | 1 | Not available. | |
| Oxidising properties | : | Not available. | |
| | | | |

.. . .

9.2 Other information

No additional information.

| SECTION 10: Stability and reactivity | | | | | | |
|--|--|--|--|--|--|--|
| 10.1 Reactivity | : No specific test data related to reactivity available for this product or its ingredients. | | | | | |
| 10.2 Chemical stability | : The product is stable. | | | | | |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. | | | | | |
| 10.4 Conditions to avoid | : No specific data. | | | | | |
| 10.5 Incompatible materials | : May react or be incompatible with oxidising materials. | | | | | |
| 10.6 Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. | | | | | |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|---------------------------------|------------|------------|----------|
| Formamide | LC50 Inhalation Dusts and mists | Rat - Male | >21 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | 17 g/kg | - |
| | LD50 Oral | Rat | 4000 mg/kg | - |

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|------------------|-------------------|--------------------------------|-----------------------------------|--|
| Formamide | 4000 | 17000 | N/A | N/A | N/A |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|------------------------|---------|-------|----------|-------------|
| Formamide | Eyes - Severe irritant | Rabbit | - | 100 mg | - |
| | | | • | | |

| Date of issue/Date of revision : 12/02/202 | 1 Date of previous issue | :08/10/2018 | Version : 2 | 7/12 |
|--|--------------------------|-------------|-------------|------|
|--|--------------------------|-------------|-------------|------|

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 11: Toxicological information

| <u>Sensitiser</u> | | | |
|---|---|--|--|
| Conclusion/Summary | : Not available. | | |
| Mutagenicity | . N. 6 | | |
| Conclusion/Summary | : Not available. | | |
| Carcinogenicity | | | |
| Conclusion/Summary | : Not available. | | |
| Reproductive toxicity | : Not available. | | |
| Conclusion/Summary <u>Teratogenicity</u> | : Not available. | | |
| Conclusion/Summary | : Not available. | | |
| Information on likely | Routes of entry anticipated: Oral, Dermal, Inhalation. | | |
| routes of exposure | . Roules of entry anticipated. Oral, Dermal, Initialation. | | |
| Potential acute health eff | ects | | |
| Inhalation | : No known significant effects or critical hazards. | | |
| Ingestion | : No known significant effects or critical hazards. | | |
| Skin contact | : No known significant effects or critical hazards. | | |
| Eye contact | : No known significant effects or critical hazards. | | |
| Symptoms related to the | physical, chemical and toxicological characteristics | | |
| Inhalation | : Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations | | |
| Ingestion | : Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations | | |
| Skin contact | Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations | | |
| Eye contact | : No specific data. | | |
| Delayed and immediate e | ffects as well as chronic effects from short and long-term exposure | | |
| <u>Short term exposure</u> | | | |
| 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 | : May cause damage to organs through prolonged or repeated exposure. | | |
| Carcinogenicity | : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. | | |
| Mutagenicity | : No known significant effects or critical hazards. | | |
| Reproductive toxicity | : May damage the unborn child. | | |

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | | Dose | | Inoculum |
|-------------------------|--|--------------------------|---|------|---------|------------|
| Formamide | OECD 301A Ready Biodegradability - DOC Die-Away Test | 99 % - Readily - 28 days | | - | | - |
| Product/ingredient name | Aquatic half-life | Photolysis | | | Biodeg | radability |
| Formamide | - | | - | | Readily | |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
| Formamide | -0.82 | - | low |

12.4 Mobility in soil

| Soil/water partition coefficient (Koc) | : Not available. |
|--|------------------|
| Mobility | : Not available. |

12.5 Results of PBT and vPvB assessment

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

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

SECTION 13: Disposal considerations

| 13.1 Waste treatment meth | nods |
|---------------------------|---|
| Product | |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. |
| Hazardous waste | : The classification of the product may meet the criteria for a hazardous waste. |
| Packaging | |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. |
| Special precautions | : Dispose of material(s) and residues under controlled conditions. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA |
|------------------------------------|----------------|----------------|----------------|
| 14.1 UN number | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - |
| 14.4 Packing group | - | - | - |
| 14.5 Environmental hazards | No. | No. | No. |

Additional information

for user

14.6 Special precautions : 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.

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

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

| Ingredient name | Intrinsic property | | | Date of revision |
|-----------------|-----------------------|-----------|------------|------------------|
| Formamide | Toxic to reproduction | Candidate | ED/87/2012 | 6/18/2012 |

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Ingredient name | EC number | CAS number | Restriction |
|---|-----------|------------|-------------|
| P RNA Dilution Buffer, Part Number FP- 6501-0003 | | | 30 |
| formamide | 200-842-0 | 75-12-7 | 30 |

Label

: Restricted to professional users.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

FP RNA Dilution Buffer, Part Number FP-6501-0003

SECTION 15: Regulatory information

Seveso Directive

This product is not controlled under the Seveso Directive.

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. |
| 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. |
| 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. |
| 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 | : ATE = Acute Toxicity Estimate |
| acronyms | CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. |
| | 1272/2008] |
| | DMEL = Derived Minimal Effect Level |
| | DNEL = Derived No Effect Level |
| | EUH statement = CLP-specific Hazard statement |
| | N/A = Not available |
| | PBT = Persistent, Bioaccumulative and Toxic |
| | PNEC = Predicted No Effect Concentration |
| | RRN = REACH Registration Number |
| | vPvB = Very Persistent and Very Bioaccumulative |
| Due e e dune use el te deut | the electric constraint to Demulation (EC) No. 4272/2009 [CLD/CUS] |

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

FP RNA Dilution Buffer, Part Number FP-6501-0003

| FF RNA Dilution Buller, Fart Null | iber FF-0501-0005 | | | |
|---|--------------------|---|--|--|
| SECTION 16: Other information | | | | |
| Classif | ication | Justification | | |
| Øarc. 2, H351 Repr. 1B, H360D STOT RE 2, H373 | | Calculation method Calculation method Calculation method | | |
| Full text of abbreviated H stateme | nts | | | |
| ₩351 H360D H373 | May damage the unb | Suspected of causing cancer. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure. | | |
| Full text of classifications [CLP/G | HS] | | | |
| Øarc. 2 Repr. 1B | | CARCINOGENICITY - Category 2 REPRODUCTIVE TOXICITY - Category 1B | | |

| Øarc. 2 Repr. 1B STOT RE 2 | | CARCINOGENICITY - Category 2 REPRODUCTIVE TOXICITY - Category 1B SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
|----------------------------------|--------------|---|
| Date of issue/ Date of revision | : 12/02/2021 | |
| Date of previous issue | : 08/10/2018 | |
| Version | : 2 | |
| Notico to reador | | |

Notice to reader

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