

# SAFETY DATA SHEET



MVP Total RNA - Human HeLa S3 Cells with and without PMA treatment, Part  
Number 540113

## Section 1. Identification

**Product identifier** : MVP Total RNA - Human HeLa S3 Cells with and without PMA treatment, Part  
Number 540113

**Part No. (Chemical Kit)** : 540113

**Part No.** : MVP Total RNA, Human HeLa S3 Cells 540087-41  
MVP Total RNA, Human HeLa S3 Cells, PMA-treated 540097-41

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

Analytical reagent.

MVP Total RNA, Human HeLa S3 Cells	0.025 ml
MVP Total RNA, Human HeLa S3 Cells, PMA-treated	0.028 ml

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia  
1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: (61)-290372994

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

Not classified.

### GHS label elements

**Signal word** : MVP Total RNA, Human HeLa S3 Cells No signal word.  
MVP Total RNA, Human HeLa S3 Cells, PMA-treated No signal word.

**Hazard statements** : MVP Total RNA, Human HeLa S3 Cells No known significant effects or critical hazards.  
MVP Total RNA, Human HeLa S3 Cells, PMA-treated No known significant effects or critical hazards.

### Precautionary statements

**Prevention** : MVP Total RNA, Human HeLa S3 Cells Not applicable.  
MVP Total RNA, Human HeLa S3 Cells, PMA-treated Not applicable.

**Response** : MVP Total RNA, Human HeLa S3 Cells Not applicable.  
MVP Total RNA, Human HeLa S3 Cells, PMA-treated Not applicable.

**Storage** : MVP Total RNA, Human HeLa S3 Cells Not applicable.  
MVP Total RNA, Human HeLa S3 Cells, PMA-treated Not applicable.

## Section 2. Hazard(s) identification

<b>Disposal</b>	: MVP Total RNA, Human HeLa S3 Cells	Not applicable.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not applicable.
<b>Supplemental label elements</b>	: MVP Total RNA, Human HeLa S3 Cells	Not applicable.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not applicable.
<b>Other hazards which do not result in classification</b>	: MVP Total RNA, Human HeLa S3 Cells	None known.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	: MVP Total RNA, Human HeLa S3 Cells	Mixture
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Mixture

### CAS number/other identifiers

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

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

## Section 4. First-aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: MVP Total RNA, Human HeLa S3 Cells	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.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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.
<b>Inhalation</b>	: MVP Total RNA, Human HeLa S3 Cells	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: MVP Total RNA, Human HeLa S3 Cells	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: MVP Total RNA, Human HeLa S3 Cells	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.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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

## Section 4. First-aid measures

water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Inhalation</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Skin contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Ingestion</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.
<b>Inhalation</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.
<b>Skin contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.
<b>Ingestion</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.

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

<b>Notes to physician</b>	: MVP Total RNA, Human HeLa S3 Cells	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific treatment.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific treatment.
<b>Protection of first-aiders</b>	: MVP Total RNA, Human HeLa S3 Cells	No action shall be taken involving any personal risk or without suitable training.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: MVP Total RNA, Human HeLa S3 Cells MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: MVP Total RNA, Human HeLa S3 Cells MVP Total RNA, Human HeLa S3 Cells, PMA-treated	None known. None known.
<b>Specific hazards arising from the chemical</b>	: MVP Total RNA, Human HeLa S3 Cells MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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.
<b>Hazardous thermal decomposition products</b>	: MVP Total RNA, Human HeLa S3 Cells MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data. No specific data.
<b>Special protective actions for fire-fighters</b>	: MVP Total RNA, Human HeLa S3 Cells  MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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.
<b>Special protective equipment for fire-fighters</b>	: MVP Total RNA, Human HeLa S3 Cells  MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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.
<b>Hazchem code</b>	: MVP Total RNA, Human HeLa S3 Cells MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available. Not available.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: MVP Total RNA, Human HeLa S3 Cells  MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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. Put on appropriate personal protective equipment.
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## Section 6. Accidental release measures

<b>For emergency responders</b>	: MVP Total RNA, Human HeLa S3 Cells	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".
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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".
<b>Environmental precautions</b>	: MVP Total RNA, Human HeLa S3 Cells	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).
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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).
<b><u>Methods and material for containment and cleaning up</u></b>		
<b>Methods for cleaning up</b>	: MVP Total RNA, Human HeLa S3 Cells	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.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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

### Precautions for safe handling

<b>Protective measures</b>	: MVP Total RNA, Human HeLa S3 Cells	Put on appropriate personal protective equipment (see Section 8).
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: MVP Total RNA, Human HeLa S3 Cells	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.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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

<b>Conditions for safe storage, including any incompatibilities</b>	<p>MVP Total RNA, Human HeLa S3 Cells</p> <p>MVP Total RNA, Human HeLa S3 Cells, PMA-treated</p>	<p>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.</p> <p>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.</p>
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## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

None.

- 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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: MVP Total RNA, Human HeLa S3 Cells	Liquid.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Liquid.
<b>Colour</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Odour</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Odour threshold</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>pH</b>	: MVP Total RNA, Human HeLa S3 Cells	8
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	8
<b>Melting point</b>	: MVP Total RNA, Human HeLa S3 Cells	0°C (32°F)
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	0°C (32°F)
<b>Boiling point</b>	: MVP Total RNA, Human HeLa S3 Cells	100°C (212°F)
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	100°C (212°F)
<b>Flash point</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Evaporation rate</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Flammability (solid, gas)</b>	: MVP Total RNA, Human HeLa S3 Cells	Not applicable.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Vapour pressure</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Vapour density</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Relative density</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.

## Section 9. Physical and chemical properties

<b>Solubility</b>	: MVP Total RNA, Human HeLa S3 Cells	Easily soluble in the following materials: cold water and hot water.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Auto-ignition temperature</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Decomposition temperature</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.
<b>Viscosity</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific test data related to reactivity available for this product or its ingredients.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: MVP Total RNA, Human HeLa S3 Cells	The product is stable.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	The product is stable.
<b>Possibility of hazardous reactions</b>	: MVP Total RNA, Human HeLa S3 Cells	Under normal conditions of storage and use, hazardous reactions will not occur.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.
<b>Incompatible materials</b>	: MVP Total RNA, Human HeLa S3 Cells	May react or be incompatible with oxidising materials.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	: MVP Total RNA, Human HeLa S3 Cells	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitisation

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

<b>Information on the likely routes of exposure</b>	: MVP Total RNA, Human HeLa S3 Cells	Not available.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	Not available.

### Potential acute health effects

<b>Eye contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Inhalation</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Skin contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Ingestion</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.

## Section 11. Toxicological information

<b>Inhalation</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.
<b>Skin contact</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No specific data.
<b>Ingestion</b>	: MVP Total RNA, Human HeLa S3 Cells	No specific data.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	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

Not available.

<b>General</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Developmental effects</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.
<b>Fertility effects</b>	: MVP Total RNA, Human HeLa S3 Cells	No known significant effects or critical hazards.
	: MVP Total RNA, Human HeLa S3 Cells, PMA-treated	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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

## Section 13. Disposal considerations

**Disposal methods** :  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. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

### Regulatory information

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**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 Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons

Not regulated.

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

**Australia inventory (AICS)** : All components are listed or exempted.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

## Section 15. Regulatory information

### [Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

### [Rotterdam Convention on Prior Inform Consent \(PIC\)](#)

Not listed.

### [UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

### [International lists](#)

#### [National inventory](#)

<a href="#">Canada</a>	: All components are listed or exempted.
<a href="#">China</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Europe</a>	: All components are listed or exempted.
<a href="#">Japan</a>	: All components are listed or exempted.
<a href="#">Malaysia</a>	: <input checked="" type="checkbox"/> Not determined.
<a href="#">New Zealand</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Philippines</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Republic of Korea</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">Taiwan</a>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<a href="#">United States</a>	: All components are listed or exempted.

## Section 16. Any other relevant information

### [History](#)

[Date of issue/Date of revision](#) : 01/09/2015

[Date of previous issue](#) : 17/05/2013.

[Version](#) : 2.01

### [Key to abbreviations](#)

: ADG = Australian Dangerous Goods  
 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 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 NOHSC = National Occupational Health and Safety Commission  
 SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 UN = United Nations

### [Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

[References](#) : Not available.

Indicates information that has changed from previously issued version.

### [Notice to reader](#)

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