

SAFETY DATA SHEET



MVP Total RNA - Human Adult Colon - Disease Match Set, Part Number 540077

Section 1. Identification

1.1 Product identifier

Product name : MVP Total RNA - Human Adult Colon - Disease Match Set, Part Number 540077
Part no. (chemical kit) : 540077
Part no. : MVP Total RNA, Human Adult Colon 540009-41
 MVP Total RNA Colon Adenocarcinoma 540079-41
 Human Adult
Validation date : 3/23/2023

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

Identified uses : Analytical reagent.
 MVP Total RNA, Human Adult Colon 25 µg
 MVP Total RNA Colon Adenocarcinoma 25 µg
 Human Adult

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status	: MVP Total RNA, Human Adult Colon	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	MVP Total RNA Colon Adenocarcinoma Human Adult	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Not classified.

2.2 GHS label elements

Signal word : MVP Total RNA, Human Adult Colon No signal word.
 MVP Total RNA Colon Adenocarcinoma Human Adult No signal word.

Hazard statements : MVP Total RNA, Human Adult Colon No known significant effects or critical hazards.
 MVP Total RNA Colon Adenocarcinoma Human Adult No known significant effects or critical hazards.

Section 2. Hazards identification

Precautionary statements

Prevention	: MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon	Not applicable.
	Adenocarcinoma Human Adult	
Response	: MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon	Not applicable.
	Adenocarcinoma Human Adult	
Storage	: MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon	Not applicable.
	Adenocarcinoma Human Adult	
Disposal	: MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon	Not applicable.
	Adenocarcinoma Human Adult	
Supplemental label elements	: MVP Total RNA, Human Adult Colon	None known.
	MVP Total RNA Colon	None known.
	Adenocarcinoma Human Adult	

2.3 Other hazards

Hazards not otherwise classified	: MVP Total RNA, Human Adult Colon	None known.
	MVP Total RNA Colon	None known.
	Adenocarcinoma Human Adult	

Section 3. Composition/information on ingredients

Substance/mixture	: MVP Total RNA, Human Adult Colon	Mixture
	MVP Total RNA Colon	Mixture
	Adenocarcinoma Human Adult	

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: MVP Total RNA, Human Adult Colon	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 Colon	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.
	Adenocarcinoma Human Adult	
Inhalation	: MVP Total RNA, Human Adult Colon	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	MVP Total RNA Colon	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Adenocarcinoma Human Adult	

Section 4. First aid measures

Skin contact	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	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.
Ingestion	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific data. No specific data.
Inhalation	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific data. No specific data.
Skin contact	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific data. No specific data.
Ingestion	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific data. No specific data.

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

Section 4. First aid measures

Notes to physician	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	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	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific treatment. No specific treatment.
Protection of first-aiders	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	None known. None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	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.
Hazardous thermal decomposition products	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific data. No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: MVP Total RNA, Human Adult Colon	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	MVP Total RNA Colon Adenocarcinoma Human Adult	
For emergency responders	: MVP Total RNA, Human Adult Colon	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	MVP Total RNA Colon Adenocarcinoma Human Adult	

6.2 Environmental precautions

: MVP Total RNA, Human Adult Colon	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
MVP Total RNA Colon Adenocarcinoma Human Adult	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: MVP Total RNA, Human Adult Colon	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 Colon Adenocarcinoma Human Adult	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures	: MVP Total RNA, Human Adult Colon	Put on appropriate personal protective equipment (see Section 8).
	MVP Total RNA Colon Adenocarcinoma Human Adult	Put on appropriate personal protective equipment (see Section 8).

Section 7. Handling and storage

Advice on general occupational hygiene	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	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. 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	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
7.3 Specific end use(s)		
Recommendations	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Industrial applications. Industrial applications.
Industrial sector specific solutions	: MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	Not available. Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
None.	

Biological exposure indices

Section 8. Exposure controls/personal protection

No exposure indices known.

8.2 Exposure controls

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

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

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

Appearance

- Physical state** : MVP Total RNA, Human Adult Colon Liquid.
MVP Total RNA Colon Liquid.
Adenocarcinoma Human Adult
- Color** : MVP Total RNA, Human Adult Colon Not available.
MVP Total RNA Colon Not available.
Adenocarcinoma Human Adult
- Odor** : MVP Total RNA, Human Adult Colon Not available.
MVP Total RNA Colon Not available.
Adenocarcinoma Human Adult

Section 9. Physical and chemical properties and safety characteristics

Odor threshold	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon	Not available.
	Adenocarcinoma Human Adult	
pH	: MVP Total RNA, Human Adult Colon	8
	MVP Total RNA Colon	8
	Adenocarcinoma Human Adult	
Melting point/freezing point	: MVP Total RNA, Human Adult Colon	0°C (32°F)
	MVP Total RNA Colon	0°C (32°F)
	Adenocarcinoma Human Adult	
Boiling point, initial boiling point, and boiling range	: MVP Total RNA, Human Adult Colon	100°C (212°F)
	MVP Total RNA Colon	100°C (212°F)
	Adenocarcinoma Human Adult	
Flash point	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon	Not available.
	Adenocarcinoma Human Adult	
Evaporation rate	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon	Not available.
	Adenocarcinoma Human Adult	
Flammability	: MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon	Not applicable.
	Adenocarcinoma Human Adult	
Lower and upper explosion limit/flammability limit	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon	Not available.
	Adenocarcinoma Human Adult	

Vapor pressure	:	Vapor Pressure at 20°C			Vapor pressure at 50°C		
		mm Hg	kPa	Method	mm Hg	kPa	Method
	MVP Total RNA, Human Adult Colon						
	water	23.8	3.2		92.258	12.3	
	MVP Total RNA Colon Adenocarcinoma Human Adult						
	water	23.8	3.2		92.258	12.3	

Relative vapor density	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon	Not available.
	Adenocarcinoma Human Adult	
Relative density	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon	Not available.
	Adenocarcinoma Human Adult	

Section 9. Physical and chemical properties and safety characteristics

Solubility(ies)	Media	Result
	MVP Total RNA, Human Adult Colon water	Soluble
	MVP Total RNA Colon Adenocarcinoma Human Adult water	Soluble
Partition coefficient: n-octanol/water	MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Not applicable.
Auto-ignition temperature	MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Not available.
Decomposition temperature	MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Not available.
Viscosity	MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Not available.
Particle characteristics		
Median particle size	MVP Total RNA, Human Adult Colon	Not applicable.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Not applicable.

Section 10. Stability and reactivity

10.1 Reactivity	MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	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	MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	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	MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	No specific data. No specific data.
10.5 Incompatible materials	MVP Total RNA, Human Adult Colon MVP Total RNA Colon Adenocarcinoma Human Adult	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.

Section 10. Stability and reactivity

10.6 Hazardous decomposition products	: MVP Total RNA, Human Adult Colon	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	: MVP Total RNA, Human Adult Colon	Not available.
	MVP Total RNA Colon Adenocarcinoma Human Adult	Not available.

Potential acute health effects

Eye contact	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards.
Inhalation	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards.
Skin contact	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon Adenocarcinoma Human Adult	No known significant effects or critical hazards.

Section 11. Toxicological information

Ingestion	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon	No known significant effects or critical hazards.
	Adenocarcinoma Human Adult	

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: MVP Total RNA, Human Adult Colon	No specific data.
	MVP Total RNA Colon	No specific data.
	Adenocarcinoma Human Adult	
Inhalation	: MVP Total RNA, Human Adult Colon	No specific data.
	MVP Total RNA Colon	No specific data.
	Adenocarcinoma Human Adult	
Skin contact	: MVP Total RNA, Human Adult Colon	No specific data.
	MVP Total RNA Colon	No specific data.
	Adenocarcinoma Human Adult	
Ingestion	: MVP Total RNA, Human Adult Colon	No specific data.
	MVP Total RNA Colon	No specific data.
	Adenocarcinoma Human Adult	

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

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

General	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon	No known significant effects or critical hazards.
	Adenocarcinoma Human Adult	
Carcinogenicity	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon	No known significant effects or critical hazards.
	Adenocarcinoma Human Adult	
Mutagenicity	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon	No known significant effects or critical hazards.
	Adenocarcinoma Human Adult	
Reproductive toxicity	: MVP Total RNA, Human Adult Colon	No known significant effects or critical hazards.
	MVP Total RNA Colon	No known significant effects or critical hazards.
	Adenocarcinoma Human Adult	

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 11. Toxicological information

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

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

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

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

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

Section 14. Transport information

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

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

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

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

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

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : MVP Total RNA, Human Adult Colon Not applicable.
MVP Total RNA Colon Adenocarcinoma Not applicable.
Human Adult

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Section 15. Regulatory information

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Eurasian Economic Union	: <input checked="" type="checkbox"/> Russian Federation inventory : All components are listed or exempted.
Japan	: Japan inventory (CSCL) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> All components are listed or exempted.
Turkey	: All components are listed or exempted.
United States	: <input checked="" type="checkbox"/> All components are active or exempted.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of issue	: 03/23/2023
Date of previous issue	: 12/25/2019
Version	: 4

Key to abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

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