

SAFETY DATA SHEET

Avida Duo Discovery Cancer Panel, 96 Reactions Automation, Part Number 5280-0070

Section 1. Identification

1.1 Product identifier

Product name	: Avida Duo Discovery Cancer Panel, 96 Reactions Automation, Part Number 5280-0070
Part no. (chemical kit)	: 5280-0070
Part no.	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation 5270-0002 Avida Methyl 3400 Cancer Panel, 96 Reactions Automation 5270-0005
Validation date	: 1/29/2024

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

Identified uses	: Analytical reagent. For research use only. Avida DNA Discovery Cancer Panel, 96 Reactions Automation 0.512 ml Avida Methyl 3400 Cancer Panel, 96 Reactions Automation 0.615 ml
Uses advised against	: Not for use in diagnostic procedures.

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
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1.4 Emergency telephone number

In case of emergency	: CHEMTREC®: 1-800-424-9300
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Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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. 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.
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Classification of the substance or mixture

Not classified.

2.2 GHS label elements

Signal word	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No signal word. No signal word.
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Section 2. Hazards identification

Hazard statements	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.

Precautionary statements

Prevention	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not applicable.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not applicable.

Response	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not applicable.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not applicable.

Storage	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not applicable.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not applicable.

Disposal	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not applicable.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not applicable.

Supplemental label elements	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	None known.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	None known.

2.3 Other hazards

Hazards not otherwise classified	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	None known.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Mixture
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Mixture

Ingredient name	%	CAS number
Avida DNA Discovery Cancer Panel, 96 Reactions Automation		
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	<0.1	9036-19-5
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation		
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	<0.1	9036-19-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
Inhalation	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
Skin contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
Ingestion	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Section 4. First aid measures

Eye contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data. No specific data.
Inhalation	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data. No specific data.
Skin contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data. No specific data.
Ingestion	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data. No specific data.

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

Notes to physician	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific treatment. No specific treatment.
Protection of first-aiders	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	None known. None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data. No specific data.

Section 5. Fire-fighting measures

5.3 Advice for firefighters

Special protective actions for fire-fighters	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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".
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

:	Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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).
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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

Section 6. Accidental release measures

Methods for cleaning up	Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8).
	Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
Advice on general occupational hygiene	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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

Avida DNA Discovery Cancer Panel, 96 Reactions Automation	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.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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.

Section 7. Handling and storage

7.3 Specific end use(s)

Recommendations	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Industrial applications, Professional applications.
	: Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Industrial applications, Professional applications.
Industrial sector specific solutions	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	: Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Avida DNA Discovery Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	None.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	None.

Biological exposure indices

No exposure indices known.

8.2 Exposure controls

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

Individual protection measures

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

Section 8. Exposure controls/personal protection

- 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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Liquid.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Liquid.
Color	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.
Odor	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.
Odor threshold	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.
pH	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	8
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	8
Melting point/freezing point	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	0°C (32°F)
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	0°C (32°F)
Boiling point, initial boiling point, and boiling range	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	100°C (212°F)
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	100°C (212°F)
Flash point	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.
Evaporation rate	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.
Flammability	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not applicable.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not applicable.
Lower and upper explosion limit/flammability limit	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	Not available.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	Not available.
Vapor pressure	:	

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Avida DNA Discovery Cancer Panel, 96 Reactions Automation						
water	17.5	2.3	-	92.258	12.3	-
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation						
water	17.5	2.3	-	92.258	12.3	-

Relative vapor density : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not available.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not available.

Relative density : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not available.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not available.

Solubility(ies)	Media	Result
	Avida DNA Discovery Cancer Panel, 96 Reactions Automation	
	water	Soluble
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	
	water	Soluble

Partition coefficient: n-octanol/water : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not applicable.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not available.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not available.

Viscosity : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not available.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not available.

Particle characteristics

Median particle size : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not applicable.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not applicable.

Section 10. Stability and reactivity

10.1 Reactivity	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data. No specific data.
10.5 Incompatible materials	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	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

Product/ingredient name	Result	Species	Dose	Exposure
Avida DNA Discovery Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	LD50 Oral	Rat	2800 mg/kg	-
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	LD50 Oral	Rat	2800 mg/kg	-

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Avida DNA Discovery Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Eyes - Severe irritant	Rabbit	-	1 %	-
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Eyes - Severe irritant	Rabbit	-	1 %	-

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 : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not available.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not available.

Potential acute health effects

Eye contact : Avida DNA Discovery Cancer Panel, 96 Reactions Automation No known significant effects or critical hazards.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation No known significant effects or critical hazards.

Inhalation : Avida DNA Discovery Cancer Panel, 96 Reactions Automation No known significant effects or critical hazards.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation No known significant effects or critical hazards.

Skin contact : Avida DNA Discovery Cancer Panel, 96 Reactions Automation No known significant effects or critical hazards.
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation No known significant effects or critical hazards.

Section 11. Toxicological information

Ingestion	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No specific data.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data.
Inhalation	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No specific data.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data.
Skin contact	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No specific data.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data.
Ingestion	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No specific data.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No specific data.

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

Short term exposure

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

Long term exposure

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

Potential chronic health effects

General	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
Carcinogenicity	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
Mutagenicity	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
Reproductive toxicity	: Avida DNA Discovery Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.
	Avida Methyl 3400 Cancer Panel, 96 Reactions Automation	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Avida DNA Discovery Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	500	N/A	N/A	N/A	N/A
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	500	N/A	N/A	N/A	N/A

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Avida DNA Discovery Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Acute EC50 210 µg/l Fresh water	Algae - <i>Selenastrum sp.</i>	96 hours
	Acute LC50 10800 µg/l Marine water	Crustaceans - <i>Pandalus montagui</i> - Adult	48 hours
	Acute LC50 2.518 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 7200 µg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Acute EC50 210 µg/l Fresh water	Algae - <i>Selenastrum sp.</i>	96 hours
	Acute LC50 10800 µg/l Marine water	Crustaceans - <i>Pandalus montagui</i> - Adult	48 hours
	Acute LC50 2.518 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 7200 µg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
Avida DNA Discovery Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	2.7	78.67	Low
Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Poly(oxy-1,2-ethanediyl), . alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	2.7	78.67	Low

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.

Section 14. Transport information

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) PAIR:** Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-
TSCA 8(a) CDR Exempt/Partial exemption: Not determined

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 : Avida DNA Discovery Cancer Panel, 96 Reactions Automation Not applicable.
 Avida Methyl 3400 Cancer Panel, 96 Reactions Automation Not applicable.

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)

Section 15. Regulatory information

Not listed.

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

Not listed.

[Inventory list](#)

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

Section 16. Other information

[Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

[History](#)

Date of issue/Date of revision	: 01/29/2024
Date of previous issue	: No previous validation
Version	: 1
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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