



# Tapestri® Single-Cell Targeted RNA Core -20 Kit

Safety Data Sheets

MB03-0139



MB05-0047  
Rev 1

**For Research Use Only. Not for use in diagnostic procedures.**

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# Materials

## Tapestri Single-Cell Targeted RNA Core -20 Kit

Component Name	Part Number	Storage
Tapestri Single-Cell Targeted RNA Core -20 Kit	MB03-0139	-20°C

## Tapestri Single-Cell Targeted RNA Core -20 Kit MB03-0139

Component Name	Part Number	Fill Volume (uL)
RNA Enzyme	200195	24
RNA Enzyme Buffer	200196	96
RNA Reagent 1	200197	24
RNA Reagent 3	200199	24
RNA Reagent 4	200200	24
RNA Library Indices 1	200202	80
RNA Library Indices 2	200203	80
RNA Library Indices 3	200204	80
RNA Library Indices 4	200205	80
RNA Library Indices 5	200206	80
RNA Library Indices 6	200207	80
RNA Library Indices 7	200208	80
RNA Library Indices 8	200209	80

1. Identification	
<b>Product identifier</b>	RNA Enzyme
<b>Other means of identification</b>	
<b>Product code</b>	200195
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
<b>Telephone number</b>	+1 415-854-0058
<b>E-mail</b>	support@missionbio.com
<b>Website</b>	www.missionbio.com
<b>Emergency telephone number</b>	For Chemical Emergency, call:  +1 415-854-0058

2. Hazard(s) identification	
<b>Physical hazards</b>	Not Hazardous
<b>Health hazards</b>	Not Hazardous
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	Not Applicable
<b>Precautionary statement</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not Applicable
<b>Supplemental information</b>	None.
<b>HMIS</b>	
<b>Health</b>	0
<b>Flammability</b>	0
<b>Reactivity</b>	0

3. Composition/information on ingredients			
Chemical Name	CAS number	EINECS-No	Weight %
Glycerol	56-81-5	200-289-5	7-10

4. First-aid measures	
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Skin contact</b>	Rinse skin with water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Notes to Physician</b>	Treat symptomatically.

<b>Most important symptoms/effects, acute and delayed</b>	Not Applicable
<b>Indication of immediate medical attention and special treatment needed</b>	Not Applicable

<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Not known
<b>Hazardous Combustion Products</b>	No data available.
<b>Fire fighting equipment/instructions</b>	Standard procedure for chemical fires.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Not known.

<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See section 8 for more information
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material.
<b>Environmental precautions</b>	No special environmental precautions required

<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Use personal protective equipment as required. No special handling advices are necessary.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Storage Conditions</b>	Store at -25 °C to -15 °C
<b>Specific end use(s)</b>	For research use only. Not for use in diagnostic procedures.

<b>8. Exposure controls/personal protection</b>				
<b>Control parameters</b>				
<b>Chemical Name</b>	<b>OSHA PEL</b>	<b>OSHA PEL (Ceiling)</b>	<b>ACGIH OEL (TWA)</b>	<b>ACGIH OEL (STEL)</b>
Glycerol	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	None	None	None
<b>Chemical Name</b>	<b>Brazil - OEL - TWAs (LTs)</b>	<b>Brazil - OEL - Ceilings</b>	<b>Brazil - OEL - Skin Designations</b>	
Glycerol	None	None	None	
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas			
<b>Individual protection measures, such as personal protective equipment</b>				
<b>Eye/face protection</b>	Tight sealing safety goggles.			
<b>Skin protection</b>	Wear suitable protective clothing.			
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.			
<b>Skin protection</b>	Wear suitable protective clothing.			
<b>Other</b>				

<b>Respiratory protection</b>	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	No data
<b>Odor</b>	No data
<b>Odor threshold</b>	No data
<b>pH</b>	No data
<b>Melting point/freezing point</b>	No data
<b>Initial boiling point and boiling range</b>	No data
<b>Flash point</b>	No data
<b>Evaporation rate</b>	No data
<b>Flammability (solid, gas)</b>	No data
<b>Upper/lower flammability or explosive limits</b>	No data
<b>Explosive limit - lower (%)</b>	No data
<b>Explosive limit - upper (%)</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Relative density</b>	No data
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	No data
<b>Partition coefficient (n-octanol/water)</b>	No data
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Viscosity</b>	No data
<b>Other information</b>	
<b>Explosive properties</b>	No data
<b>Oxidizing properties</b>	No data
<b>Molecular weight</b>	No data

## 10. Stability and reactivity

<b>Reactivity</b>	None known
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## 11. Toxicological information

<b>Information on toxicological effects</b>			
<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LD50</b>
Glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	>570mg/m <sup>3</sup> (Rat)
<b>Acute toxicity</b>	Data are conclusive but insufficient for classification.		
<b>Skin corrosion/irritation</b>	Data are conclusive but insufficient for classification.		

<b>Serious eye damage/eye irritation</b>	Data are conclusive but insufficient for classification.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Data are conclusive but insufficient for classification.
<b>Skin sensitization</b>	Data are conclusive but insufficient for classification.
<b>Germ cell mutagenicity</b>	Data are conclusive but insufficient for classification.
<b>Carcinogenicity</b>	Data are conclusive but insufficient for classification.
<b>Reproductive toxicity</b>	Data are conclusive but insufficient for classification.
<b>Specific target organ toxicity - single exposure</b>	Data are conclusive but insufficient for classification.
<b>Specific target organ toxicity - repeated exposure</b>	Data are conclusive but insufficient for classification.
<b>Aspiration hazard</b>	Data are conclusive but insufficient for classification.
<b>Chronic effects</b>	No Data

<b>12. Ecological information</b>					
<b>Ecotoxicity</b>	Hazardous to the Aquatic Environment.				
<b>Chemical Name</b>	<b>Toxicity to algae</b>	<b>Toxicity to daphnia and other aquatic invertebrates</b>	<b>Toxicity to fish</b>	<b>Microtox Data</b>	<b>log Pow</b>
Glycerol	No data available.	No data available.	No data available.	No data available.	logPow-1.75
<b>Persistence and degradability</b>	No data available.				
<b>Bioaccumulative potential</b>	No data available.				
<b>Mobility in soil</b>	No data available.				
<b>Results of PBT and vPvB assessment</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB				
<b>Other adverse effects</b>	Endocrine disrupting potential.				

<b>13. Disposal considerations</b>	
<b>Waste treatment methods</b>	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

<b>14. Transport information</b>	
<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

<b>15. Regulatory information</b>	
<b>Component</b>	<b>US TSCA</b>
Glycerol 56-81-5 ( 40-70 )	Listed
<b>US federal regulations</b>	
<b>SARA 313</b>	
	This product is not regulated by SARA
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	
	Does not contain HAPs.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	

	Not regulated.		
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.		
<b>US state regulations</b>			
<b>Chemical Name</b>	<b>Massachusetts - RTK (Right-to-Know)</b>	<b>New Jersey - RTK (Right-to-Know)</b>	<b>Pennsylvania - RTK(Right-to-Know)</b>
<b>Glycerol</b>	Listed	Listed	Listed
<b>California Proposition 65</b>			
	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .		
<b>WHMIS Hazard Class</b>			
Non-controlled This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all the information required by the CPR.			
<b>National Regulations - Brazil</b>			
<b>Chemical Name</b>	<b>CAS No.</b>	<b>Brazil - National Agency for Sanitary Surveillance (ANVISA)</b>	<b>Brazil - National List of Carcinogen Agents to Humans (LINACH)</b>
<b>Glycerol</b>	56-81-5	Not Listed	Not Listed

<b>16. Other information, including date of preparation or last revision</b>	
<b>Issue date</b>	17-Feb-2026
<b>Revision date</b>	17-Feb-2026
<b>Version #</b>	01
<b>HMIS® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

1. Identification	
<b>Product identifier</b>	RNA Enzyme Buffer
<b>Other means of identification</b>	
<b>Product code</b>	200196
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
<b>Telephone number</b>	+1 415-854-0058
<b>E-mail</b>	support@missionbio.com
<b>Website</b>	www.missionbio.com
<b>Emergency telephone number</b>	For Chemical Emergency, call:  +1 415-854-0058

2. Hazard(s) identification	
<b>Physical hazards</b>	Not Hazardous
<b>Health hazards</b>	Not Hazardous
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	Not Applicable
<b>Precautionary statement</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not Applicable
<b>Supplemental information</b>	None.
<b>HMIS</b>	
<b>Health</b>	0
<b>Flammability</b>	0
<b>Reactivity</b>	0

3. Composition/information on ingredients
The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First-aid measures	
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Skin contact</b>	Rinse skin with water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Most important symptoms/effects, acute and delayed</b>	Not Applicable

<b>Indication of immediate medical attention and special treatment needed</b>	Not Applicable
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<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Not known
<b>Hazardous Combustion Products</b>	No data available.
<b>Fire fighting equipment/instructions</b>	Standard procedure for chemical fires.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Not known.

<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See section 8 for more information
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material.
<b>Environmental precautions</b>	No special environmental precautions required

<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Use personal protective equipment as required. No special handling advices are necessary.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Specific end use(s)</b>	For research use only. Not for use in diagnostic procedures.

<b>8. Exposure controls/personal protection</b>	
<b>Control parameters</b>	
<b>Exposure Limits</b>	Contains no substances with occupational exposure limit values
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Skin protection Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

<b>9. Physical and chemical properties</b>	
<b>Appearance</b>	

<b>Physical state</b>	Solution.
<b>Color</b>	No data
<b>Odor</b>	No data
<b>Odor threshold</b>	No data
<b>pH</b>	No data
<b>Melting point/freezing point</b>	No data
<b>Initial boiling point and boiling range</b>	No data
<b>Flash point</b>	No data
<b>Evaporation rate</b>	No data
<b>Flammability (solid, gas)</b>	No data
<b>Upper/lower flammability or explosive limits</b>	No data
<b>Explosive limit - lower (%)</b>	No data
<b>Explosive limit - upper (%)</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Relative density</b>	No data
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	No data
<b>Partition coefficient (n-octanol/water)</b>	No data
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Viscosity</b>	No data
<b>Other information</b>	
<b>Explosive properties</b>	No data
<b>Oxidizing properties</b>	No data
<b>Molecular weight</b>	No data

## 10. Stability and reactivity

<b>Reactivity</b>	None known
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## 11. Toxicological information

### Information on toxicological effects

There is no evidence available indicating acute toxicity.

<b>Acute toxicity</b>	Data are conclusive but insufficient for classification.
<b>Skin corrosion/irritation</b>	Data are conclusive but insufficient for classification.
<b>Serious eye damage/eye irritation</b>	Data are conclusive but insufficient for classification.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Data are conclusive but insufficient for classification.
<b>Skin sensitization</b>	Data are conclusive but insufficient for classification.
<b>Germ cell mutagenicity</b>	Data are conclusive but insufficient for classification.
<b>Carcinogenicity</b>	Data are conclusive but insufficient for classification.
<b>Reproductive toxicity</b>	Data are conclusive but insufficient for classification.

<b>Specific target organ toxicity - single exposure</b>	Data are conclusive but insufficient for classification.
<b>Specific target organ toxicity - repeated exposure</b>	Data are conclusive but insufficient for classification.
<b>Aspiration hazard</b>	Data are conclusive but insufficient for classification.
<b>Chronic effects</b>	No Data

## 12. Ecological information

<b>Toxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Results of PBT and vPvB assessment</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB
<b>Other adverse effects</b>	Endocrine disrupting potential.

## 13. Disposal considerations

<b>Waste treatment methods</b>	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.
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## 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

## 15. Regulatory information

<b>US federal regulations</b>	
<b>SARA 313</b>	This product is not regulated by SARA
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Does not contain HAPs.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
<b>US state regulations</b>	
<b>California Proposition 65</b>	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .
<b>WHMIS Hazard Class</b>	Non-controlled This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all the information required by the CPR.
<b>National Regulations - Brazil</b>	Not regulated

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	17-Feb-2026
<b>Revision date</b>	17-Feb-2026
<b>Version #</b>	01
<b>HMIS® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

1. Identification	
<b>Product identifier</b>	RNA Reagent 1
<b>Other means of identification</b>	
<b>Product code</b>	200197
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
<b>Telephone number</b>	+1 415-854-0058
<b>E-mail</b>	support@missionbio.com
<b>Website</b>	www.missionbio.com
<b>Emergency telephone number</b>	For Chemical Emergency, call:  +1 415-854-0058

2. Hazard(s) identification	
<b>Physical hazards</b>	Not Hazardous
<b>Health hazards</b>	Not Hazardous
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	Not Applicable
<b>Precautionary statement</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not Applicable
<b>Supplemental information</b>	None.
<b>HMIS</b>	
<b>Health</b>	0
<b>Flammability</b>	0
<b>Reactivity</b>	0

3. Composition/information on ingredients
The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First-aid measures	
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Skin contact</b>	Rinse skin with water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Most important symptoms/effects, acute and delayed</b>	Not Applicable

<b>Indication of immediate medical attention and special treatment needed</b>	Not Applicable
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<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Not known
<b>Hazardous Combustion Products</b>	No data available.
<b>Fire fighting equipment/instructions</b>	Standard procedure for chemical fires.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Not known.

<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See section 8 for more information
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material.
<b>Environmental precautions</b>	No special environmental precautions required

<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Use personal protective equipment as required. No special handling advices are necessary.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Storage Conditions</b>	Store at -25 °C to -15 °C.
<b>Specific end use(s)</b>	For research use only. Not for use in diagnostic procedures.

<b>8. Exposure controls/personal protection</b>	
<b>Control parameters</b>	
<b>Exposure Limits</b>	Contains no substances with occupational exposure limit values
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Skin protection Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

<b>9. Physical and chemical properties</b>
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<b>Appearance</b>	
<b>Physical state</b>	Liquid
<b>Color</b>	No data
<b>Odor</b>	No data
<b>Odor threshold</b>	No data
<b>pH</b>	No data
<b>Melting point/freezing point</b>	No data
<b>Initial boiling point and boiling range</b>	No data
<b>Flash point</b>	No data
<b>Evaporation rate</b>	No data
<b>Flammability (solid, gas)</b>	No data
<b>Upper/lower flammability or explosive limits</b>	No data
<b>Explosive limit - lower (%)</b>	No data
<b>Explosive limit - upper (%)</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Relative density</b>	No data
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	No data
<b>Partition coefficient (n-octanol/water)</b>	No data
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Viscosity</b>	No data
<b>Other information</b>	
<b>Explosive properties</b>	No data
<b>Oxidizing properties</b>	No data
<b>Molecular weight</b>	No data

<b>10. Stability and reactivity</b>	
<b>Reactivity</b>	None known
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

<b>11. Toxicological information</b>	
<b>Information on toxicological effects</b>	
There is no evidence available indicating acute toxicity.	
<b>Acute toxicity</b>	Data are conclusive but insufficient for classification.
<b>Skin corrosion/irritation</b>	Data are conclusive but insufficient for classification.
<b>Serious eye damage/eye irritation</b>	Data are conclusive but insufficient for classification.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Data are conclusive but insufficient for classification.
<b>Skin sensitization</b>	Data are conclusive but insufficient for classification.
<b>Germ cell mutagenicity</b>	Data are conclusive but insufficient for classification.
<b>Carcinogenicity</b>	Data are conclusive but insufficient for classification.
<b>Reproductive toxicity</b>	Data are conclusive but insufficient for classification.

<b>Specific target organ toxicity - single exposure</b>	Data are conclusive but insufficient for classification.
<b>Specific target organ toxicity - repeated exposure</b>	Data are conclusive but insufficient for classification.
<b>Aspiration hazard</b>	Data are conclusive but insufficient for classification.
<b>Chronic effects</b>	No Data

<b>12. Ecological information</b>	
<b>Toxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Results of PBT and vPvB assessment</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB
<b>Other adverse effects</b>	Endocrine disrupting potential.

<b>13. Disposal considerations</b>	
<b>Waste treatment methods</b>	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

<b>14. Transport information</b>	
<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

<b>15. Regulatory information</b>	
<b>US federal regulations</b>	
<b>SARA 313</b>	This product is not regulated by SARA
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Does not contain HAPs.
<b>US state regulations</b>	
<b>California Proposition 65</b>	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .
<b>WHMIS Hazard Class</b>	Non-controlled This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all the information required by the CPR.
<b>National Regulations - Brazil</b>	Not regulated

<b>16. Other information, including date of preparation or last revision</b>	
<b>Issue date</b>	17-Feb-2026
<b>Revision date</b>	17-Feb-2026
<b>Version #</b>	01

<b>HMIS® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

1. Identification	
<b>Product identifier</b>	RNA Reagent 3
<b>Other means of identification</b>	
<b>Product code</b>	200199
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
<b>Telephone number</b>	+1 415-854-0058
<b>E-mail</b>	support@missionbio.com
<b>Website</b>	www.missionbio.com
<b>Emergency telephone number</b>	For Chemical Emergency, call:  +1 415-854-0058

2. Hazard(s) identification	
<b>Physical hazards</b>	Not Hazardous
<b>Health hazards</b>	Not Hazardous
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	Not Applicable
<b>Precautionary statement</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not Applicable
<b>Supplemental information</b>	None.
<b>HMIS</b>	
<b>Health</b>	0
<b>Flammability</b>	0
<b>Reactivity</b>	0

3. Composition/information on ingredients
The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First-aid measures	
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Skin contact</b>	Rinse skin with water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Notes to Physician</b>	Treat symptomatically.

<b>Most important symptoms/effects, acute and delayed</b>	Not Applicable
<b>Indication of immediate medical attention and special treatment needed</b>	Not Applicable

<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Not known
<b>Hazardous Combustion Products</b>	No data available.
<b>Fire fighting equipment/instructions</b>	Standard procedure for chemical fires.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Not known.

<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See section 8 for more information
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material.
<b>Environmental precautions</b>	No special environmental precautions required

<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Use personal protective equipment as required. No special handling advices are necessary.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Specific end use(s)</b>	For research use only. Not for use in diagnostic procedures.

<b>8. Exposure controls/personal protection</b>	
<b>Control parameters</b>	
<b>Exposure Limits</b>	Contains no substances with occupational exposure limit values
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Skin protection Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid
<b>Color</b>	No data
<b>Odor</b>	No data
<b>Odor threshold</b>	No data
<b>pH</b>	No data
<b>Melting point/freezing point</b>	No data
<b>Initial boiling point and boiling range</b>	No data
<b>Flash point</b>	No data
<b>Evaporation rate</b>	No data
<b>Flammability (solid, gas)</b>	No data
<b>Upper/lower flammability or explosive limits</b>	No data
<b>Explosive limit - lower (%)</b>	No data
<b>Explosive limit - upper (%)</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Relative density</b>	No data
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	No data
<b>Partition coefficient (n-octanol/water)</b>	No data
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Viscosity</b>	No data
<b>Other information</b>	
<b>Explosive properties</b>	No data
<b>Oxidizing properties</b>	No data
<b>Molecular weight</b>	No data

## 10. Stability and reactivity

<b>Reactivity</b>	None known
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## 11. Toxicological information

### Information on toxicological effects

There is no evidence available indicating acute toxicity.

<b>Acute toxicity</b>	Data are conclusive but insufficient for classification.
<b>Skin corrosion/irritation</b>	Data are conclusive but insufficient for classification.
<b>Serious eye damage/eye irritation</b>	Data are conclusive but insufficient for classification.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Data are conclusive but insufficient for classification.
<b>Skin sensitization</b>	Data are conclusive but insufficient for classification.
<b>Germ cell mutagenicity</b>	Data are conclusive but insufficient for classification.
<b>Carcinogenicity</b>	Data are conclusive but insufficient for classification.

<b>Reproductive toxicity</b>	Data are conclusive but insufficient for classification.
<b>Specific target organ toxicity - single exposure</b>	Data are conclusive but insufficient for classification.
<b>Specific target organ toxicity - repeated exposure</b>	Data are conclusive but insufficient for classification.
<b>Aspiration hazard</b>	Data are conclusive but insufficient for classification.
<b>Chronic effects</b>	No Data

<b>12. Ecological information</b>	
<b>Toxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Results of PBT and vPvB assessment</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB
<b>Other adverse effects</b>	Endocrine disrupting potential.

<b>13. Disposal considerations</b>	
<b>Waste treatment methods</b>	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

<b>14. Transport information</b>	
<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

<b>15. Regulatory information</b>	
<b>US federal regulations</b>	
<b>SARA 313</b>	This product is not regulated by SARA
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	
	Does not contain HAPs.
<b>US state regulations</b>	
<b>California Proposition 65</b>	
	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .
<b>WHMIS Hazard Class</b>	
Non-controlled This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all the information required by the CPR.	
<b>National Regulations - Brazil</b>	
Not regulated	

<b>16. Other information, including date of preparation or last revision</b>	
<b>Issue date</b>	17-Feb-2026
<b>Revision date</b>	17-Feb-2026

<b>Version #</b>	01
<b>HMSI® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

1. Identification	
<b>Product identifier</b>	RNA Reagent 4
<b>Other means of identification</b>	
<b>Product code</b>	200200
<b>Recommended restrictions</b>	None known
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
<b>Telephone number</b>	+1 415-854-0058
<b>E-mail</b>	support@missionbio.com
<b>Website</b>	www.missionbio.com
<b>Emergency telephone number</b>	For Chemical Emergency, call:  +1 415-854-0058

2. Hazard(s) identification	
<b>Physical hazards</b>	Not Hazardous
<b>Health hazards</b>	Not Hazardous
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	Not Applicable
<b>Precautionary statement</b>	
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not Applicable
<b>Supplemental information</b>	None.
<b>HMIS</b>	
<b>Health</b>	0
<b>Flammability</b>	0
<b>Reactivity</b>	0

3. Composition/information on ingredients		
Chemical Name	CAS number	Weight %
1,2,3-Propanetriol	56-81-5	>= 50 - < 70 (Actual concentration is withheld as a trade secret)

4. First-aid measures	
<b>Inhalation</b>	Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician
<b>Skin contact</b>	Rinse skin with water.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
<b>Ingestion</b>	Keep respiratory tract clear. Do not give milk or alcoholic beverages.

	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water.
<b>Notes to Physician</b>	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
<b>Most important symptoms/effects, acute and delayed</b>	None known
<b>Indication of immediate medical attention and special treatment needed</b>	None known

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Not known
<b>Hazardous Combustion Products</b>	Carbon oxides
<b>Fire fighting equipment/instructions</b>	Standard procedure for chemical fires.
<b>Specific methods</b>	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Refer to protective measures listed in sections 7 and 8.
<b>Methods and materials for containment and cleaning up</b>	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
<b>Environmental precautions</b>	Local authorities should be advised if significant spillages cannot be contained.

## 7. Handling and storage

<b>Advice on protection against fire and explosion</b>	Normal measures for preventive fire protection.
<b>Precautions for safe handling</b>	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
<b>Conditions for safe storage, including any incompatibilities</b>	Electrical installations / working materials must comply with the technological safety standards.
<b>Further information on storage conditions</b>	See label, package insert or internal guidelines
<b>Materials to avoid</b>	No materials to be especially mentioned.
<b>Further information on storage stability</b>	No decomposition if stored and applied as directed.

## 8. Exposure controls/personal protection

Control parameters				
Chemical Name	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

<b>1,2,3-Propanetriol</b>	56-81-5	TWA (mist, respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (mist, total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (mist, total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (mist, respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas			
<b>Individual protection measures, such as personal protective equipment</b>				
<b>Eye/face protection</b>	Safety glasses.			
<b>Skin protection</b>	Wear suitable protective clothing.			
<b>Hand protection</b>	<p>In case of contact through splashing:  Material : Nitrile rubber  Break through time : &gt; 30 min  Glove thickness : &gt; 0.11 mm</p> <p>In case of full contact:  Material : butyl-rubber  Break through time : &gt; 480 min  Glove thickness : &gt; 0.4 mm</p> <p>Remarks : Wear appropriate protective gloves to prevent skin contact.  Replace torn or punctured gloves promptly</p>			
<b>Skin protection Other</b>	Wear suitable protective clothing.			
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required.			
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.			
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.			

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Color</b>	Colorless
<b>Odor</b>	Very faint
<b>Odor threshold</b>	No data
<b>pH</b>	7.6 (39 °F / 4 °C)
<b>Melting point/freezing point</b>	No data
<b>Initial boiling point and boiling range</b>	No data
<b>Flash point</b>	Does not flash
<b>Evaporation rate</b>	No data
<b>Flammability (liquids)</b>	The product is not flammable. Does not sustain combustion.
<b>Upper/lower flammability or explosive limits</b>	No data
<b>Explosive limit - lower (%)</b>	No data
<b>Explosive limit - upper (%)</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Relative density</b>	No data
<b>Density</b>	1.13 - 1.16 g/cm <sup>3</sup> (68 - 77 °F / 20 - 25 °C, 990 - 1,030 hPa)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Completely miscible
<b>Partition coefficient (n-octanol/water)</b>	No data
<b>Auto-ignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Viscosity</b>	No data

Other information	
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	Not oxidizing
<b>Molecular weight</b>	No data

10. Stability and reactivity	
<b>Reactivity</b>	None known
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known.

11. Toxicological information			
Information on toxicological effects			
Chemical Name	Oral LC50 (Mouse)	Dermal LD50 (Guinea pig, male and female)	Inhalation LC50 (Rat, male)
1,2,3-Propanetriol	11,500 mg/kg	56,750 mg/kg GLP: no	275000 mg/m <sup>3</sup> Exposure time: 7 h Test atmosphere: vapor GLP: no Assessment: The component/mixture is minimally toxic after short term inhalation
<b>Acute toxicity</b>	Not classified due to lack of data.		
<b>Skin corrosion/irritation</b>	Not classified due to lack of data. Components: 1,2,3-Propanetriol: Species : Rabbit Exposure time : 24 h Result : No skin irritation GLP : no		
<b>Serious eye damage/eye irritation</b>	Not classified due to lack of data. Components: 1,2,3-Propanetriol: Species : Rabbit Result : No eye irritation Exposure time : 7 d GLP : no		
Respiratory or skin sensitization			
<b>Respiratory sensitization</b>	Not classified due to lack of data. Components: 1,2,3-Propanetriol: Assessment : Mild eye irritant, Mild respiratory irritant, No skin irritation		
<b>Skin sensitization</b>	Not classified due to lack of data.		
<b>Germ cell mutagenicity</b>	Not classified due to lack of data. Components: 1,2,3-Propanetriol: Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Result: negative GLP: No information available. Test Type: In vitro mammalian cell gene mutation test		

	<p>Test system: Chinese hamster ovary cells</p> <p>Metabolic activation: with and without metabolic activation</p> <p>Method: OECD Test Guideline 476</p> <p>Result: negative</p> <p>GLP: No information available</p>
<b>Carcinogenicity</b>	<p>Not classified due to lack of data.</p> <p>Components:</p> <p>1,2,3-Propanetriol:</p> <p>Species : Rat, male and female</p> <p>Application Route : Oral</p> <p>Exposure time : 2 Years</p> <p>GLP : No information available.</p> <p>Remarks : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p>
<b>Reproductive toxicity</b>	<p>Not classified due to lack of data.</p> <p>Components:</p> <p>1,2,3-Propanetriol:</p> <p>Effects on fertility : Test Type: Two-generation study</p> <p>Species: Rat, male and female</p> <p>Application Route: Oral</p> <p>Dose: 2000 mg/kg bw/day</p> <p>Fertility: NOAEL: 2,000 mg/kg body weight</p> <p>GLP: no</p> <p>Effects on fetal development : Species: Rabbit, female</p> <p>Application Route: Oral</p> <p>Dose: 11.8, 54.8, 254.5, 1180 mg/kg bw/day</p> <p>Duration of Single Treatment: 29 d</p> <p>Developmental Toxicity: NOAEL: 1,180 mg/kg bw/day</p> <p>GLP: no</p>
<b>Specific target organ toxicity - single exposure</b>	Not classified due to lack of data.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified due to lack of data.
<b>Repeated dose toxicity</b>	<p>Components:</p> <p>1,2,3-Propanetriol:</p> <p>Species : Rat, male and female</p> <p>NOAEL : 4580 mg/kg</p> <p>NOAEL : 4,580 mg/kg</p> <p>Application Route : Oral</p> <p>Exposure time : 90 d</p> <p>Number of exposures : daily</p> <p>Dose : 4580 - 25,800 mg/kg/day</p> <p>GLP : no</p> <p>Species : Rat, male and female</p> <p>Application Route : Inhalation</p>

	<p>Test atmosphere : dust/mist</p> <p>Exposure time : 13 Weeks</p> <p>Number of exposures : 6 hours/day, 5 days/week</p> <p>Dose : 33, 165 and 660 mg/m<sup>3</sup></p> <p>GLP : No information available.</p> <p>Species : Rat</p> <p>NOAEL : 5040 mg/kg</p> <p>NOAEL : 5,040 mg/kg</p> <p>Application Route : Dermal</p> <p>Exposure time : 45 Weeks</p> <p>Number of exposures : 8 hours/day, 5 days/week</p> <p>Dose : 0.5-4.0 ml/kg</p> <p>GLP : no</p> <p>Repeated dose toxicity -Assessment : Mild eye irritant, Mild respiratory irritant, No skin irritation</p>
<b>Aspiration hazard</b>	Not classified due to lack of data.

<b>12. Ecological information</b>				
<b>Ecotoxicity</b>	<p>Acute aquatic toxicity : This product has no known ecotoxicological effects.</p> <p>Chronic aquatic toxicity : This product has no known ecotoxicological effects.</p> <p>Toxicity Data on Soil : Not expected to adsorb on soil.</p> <p>Other organisms relevant to the environment : No data available</p>			
<b>Chemical Name</b>	<b>Toxicity to algae</b>	<b>Toxicity to daphnia and other aquatic invertebrates</b>	<b>Toxicity to fish</b>	<b>Toxicity to microorganisms</b>
1,2,3-Propanetriol	(Scenedesmus quadricauda (Green algae)): > 10,000 mg/l End point: Growth rate Exposure time: 8 d Test Type: static test GLP: no	LC50 (Daphnia magna (Water flea)): 1,955 mg/l End point: mortality Exposure time: 48 h Test Type: static test Analytical monitoring: no GLP: no	LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l End point: mortality Exposure time: 96 h Test Type: static test GLP: no	EC50 (Pseudomonas putida): > 10,000 mg/l End point: Growth rate Exposure time: 16 h Test Type: static test GLP: No information available.
<b>Persistence and degradability</b>	<p>Components: 1,2,3-Propanetriol:</p> <p>Biodegradability : aerobic</p> <p>Inoculum: activated sludge</p> <p>Concentration: 226 mg/l</p> <p>Result: Readily biodegradable.</p> <p>Biodegradation: 94 %</p> <p>Exposure time: 24 h</p> <p>GLP: no</p>			
<b>Bioaccumulative potential</b>	<p>Components: 1,2,3-Propanetriol:</p> <p>Partition coefficient: noctanol/water : log Pow: -1.75 (77 °F / 25 °C)</p> <p>pH: 7.4</p> <p>Method: OECD Test Guideline 107</p> <p>GLP: no</p>			
<b>Mobility in soil</b>	No data available.			
<b>Other adverse effects</b>	<p>Product:</p> <p>Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I</p>			

	Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
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<b>13. Disposal considerations</b>	
<b>Disposal methods</b>	Waste from residues : Can be disposed as waste water, when in compliance with local regulations. Contaminated packaging : Empty containers should be taken to an approved waste andling site for recycling or disposal. Do not re-use empty containers.

<b>14. Transport information</b>	
<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

<b>15. Regulatory information</b>	
<b>US federal regulations</b>	
<b>CERCLA Reportable Quantity</b>	
This material does not contain any components with a CERCLA RQ.	
<b>SARA 304 Extremely Hazardous Substances Reportable Quantity</b>	
This material does not contain any components with a section 304 EHS RQ	
<b>SARA 302 Extremely Hazardous Substances Threshold Planning Quantity</b>	
This material does not contain any components with a section 302 EHS TPQ.	
<b>SARA 311/312 Hazards</b>	
No SARA hazards	
<b>SARA 313</b>	
	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	
<p>This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).</p> <p>This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).</p> <p>This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).</p> <p>The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):</p> <p>1,2,3-Propanetriol                      56-81-5                      &gt;= 50 - &lt; 70 %</p>	

<b>Clean Water Act</b>	
<p>This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.</p> <p>This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.</p> <p>This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307</p> <p>This product does not contain any priority pollutants related to the U.S. Clean Water Act</p>	

<b>US state regulations</b>			
<b>Chemical Name</b>	<b>Massachusetts - RTK (Right-to-Know)</b>	<b>California Permissible Exposure Limits for Chemical Contaminants</b>	<b>Pennsylvania - RTK(Right-to-Know)</b>
<b>1,2,3-Propanetriol</b>	Listed	Listed	Listed

**The ingredients of this product are reported in the following inventories:**

AICC : Not in compliance with the inventory  
 DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.  
 RNase Inhibitor  
 NZIoC : On the inventory, or in compliance with the inventory  
 ENCS : Not in compliance with the inventory  
 ISHL : Not in compliance with the inventory  
 KECI : Not in compliance with the inventory  
 PICCS : Not in compliance with the inventory  
 IECSC : Not in compliance with the inventory  
 TCSI : Not in compliance with the inventory  
 TSCA : Product contains substance(s) not listed on TSCA inventory.  
 TECL : Not in compliance with the inventory

**TSCA List**

No substances are subject to a Significant New Use Rule.  
 No substances are subject to TSCA 12(b) export notification requirements.

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	17-Feb-2026
<b>Revision date</b>	17-Feb-2026
<b>Version #</b>	01
<b>HMIS® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

1. Identification	
<b>Product identifier</b>	<b>Library Indices</b>
<b>Other means of identification</b>	
<b>Product code</b>	200202 - 200209
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	Mission Bio 300 Utah Ave Suite 210 South San Francisco, CA 94080 USA
<b>Telephone number</b>	+1 415-854-0058
<b>E-mail</b>	support@missionbio.com
<b>Website</b>	www.missionbio.com
<b>Emergency telephone number</b>	For Chemical Emergency, call:  +1 415-854-0058

2. Hazard(s) identification	
<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Wash hands after handling.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

3. Composition/information on ingredients	
<b>Mixtures</b>	
The ingredients of this mixture are considered to be proprietary and are withheld according to OSHA 29 CFR 1910.1200.	

4. First-aid measures	
<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.

5. Fire-fighting measures	
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<b>Suitable extinguishing media</b>	Water fog. Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Skin protection Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.

<b>Form</b>	Liquid.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	Not expected to be acutely toxic.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.

<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Not listed.
<b>NTP Report on Carcinogens</b>	Not listed.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>	Not listed.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Prolonged skin contact may cause temporary irritation.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this material.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

## 15. Regulatory information

<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.
<b>SARA 304 Emergency release notification</b>	Not regulated.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>	Not listed.
<b>Toxic Substances Control Act (TSCA)</b>	All components of the mixture on the TSCA 8(b) inventory are designated "active".

<b>Superfund Amendments and Reauthorization Act of 1986</b>	
<b>(SARA) SARA 302 Extremely hazardous substance</b>	Not listed.
<b>SARA 311/312 Hazardous chemical</b>	No
<b>SARA 313 (TRI reporting)</b>	Not regulated.
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	
	Not regulated.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	
	Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
<b>US state regulations</b>	
<b>US. Massachusetts RTK - Substance</b>	
	Not regulated.
<b>US. New Jersey Worker and Community Right-to-Know Act</b>	
	Not listed.
<b>US. Pennsylvania Worker and Community Right-to-Know Law</b>	
	Not listed.
<b>US. Rhode Island RTK</b>	
	Not regulated.
<b>California Proposition 65</b>	
	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .

<b>16. Other information, including date of preparation or last revision</b>	
<b>Issue date</b>	17-Feb-2026
<b>Revision date</b>	17-Feb-2026
<b>Version #</b>	01
<b>HMIS® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.