

Safety Data Sheet

(Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008)

Product Name: **AzureSeq 4 CE qPCR Kit for 200 Reactions**
Catalogue Number: **AzureSeq 4-200 CE**

1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier:

Product Name: **AzureSeq 4 CE qPCR Kit for 200 Reactions**
Catalogue Number: **AzureSeq 4-200 CE**

Component(s):	OA-RTM-200	RT Mix	x1
	OA-CPPM4-100	CoVi PLUS Primer/Probe Mix 4	x2
	OA-FABPC-150	Flu A/B Positive Control	x1
	OA-ITMP-MM-100	2X InhibiTaq Multiplex HotStart MasterMi	x2
	OA-NFW-350uL	Nuclease Free Water	x2
	OA-CVNC-150	CoVi Negative Control	x1
	OA-CVPC-150	CoVi Positive Control	x1

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

Recommended use: Laboratory chemicals
Used advised against: No information available

1.3 Details of the supplier of the safety data sheet:

Company Name: Omixon Biocomputing Ltd.
Company Address: H-1117 Budapest, Kaposvár str 14-18., 1st floor
E-mail: inventoryman@omixon.com
Phone: +36-70-395-0032

1.4 Emergency telephone number:

Emergency phone number: +36-70-395-3200
Availability: 9:00am-5pm CET
Monday-Friday

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This combination of mixtures is classified as not hazardous according to regulation (EC) 1272/2008 [GHS].

2.2 Label elements:

This combination of mixtures is classified as not hazardous according to regulation (EC) 1272/2008 [GHS].

2.3 Other hazards:

None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

OA-ITMP-MM-100

Dimethyl Sulfoxide (CAS no.: 67-68-5; EC no.: 200-664-3)

Concentration <25%

Glycerol (CAS no.: 56-81-5; EC no.: 200-289-5)

Concentration <15%

OA-RTM-200

Glycerol (CAS no.: 56-81-5; EC no.: 200-289-5)

Concentration 50%

4 FIRST AID MEASURES

4.1 Description of first aid measures:

General advice

Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove from exposure, lie down. Do not breathe dust/fume/gas/mist/vapors/spray. Show this material safety data sheet to the doctor in attendance.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses. Consult a physician.

Skin contact

Wash skin with soap and water. Remove all contaminated clothes and shoes.

**Inhalation**

Move to fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

No information available.

4.3 Indication of any immediate medical attention and special treatment needed:**Note to physicians**

Treat symptomatically.

5 FIRE FIGHTING MEASURES**5.1 Extinguishing media:**

Carbon dioxide, dry chemical, or appropriate foam.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

5.2 Special hazards arising from the substance or mixture:

In the event of fire and/or explosion do not breathe fumes.
Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions	Ensure adequate ventilation, especially in confined areas. Use personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
For emergency responders	Use personal protection recommended in Section 8. Keep in suitable, closed containers for disposal.

6.2 Environmental precautions:

See Section 12 for additional Ecological Information.

6.3 Methods and material for containment and cleaning up:

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. This material and its container must be disposed of as hazardous waste.

6.4 Reference to other sections

None

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities:

Storage temperature	Between -20°C and -15°C.
Storage conditions	Keep/store only in original container. Ensure adequate ventilation. Keep container tightly closed in a dry and well-ventilated place.
Incompatible materials	None known based on information supplied.

7.3 Specific end use(s):

Risk management methods [RMM]. The information required is contained in this Safety Data Sheet.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Exposure limits	The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.
<i>OA-RTM-200</i> <i>Glycerol (CAS no.: 56-81-5; EC no.: 200-289-5)</i>	PEL-TWA: 15 mg/m ³ (total dust), 5 mg/m ³ (respirable) (OSHA) PEL-TWA: 10 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)
<i>OA-ITMP-MM-100</i>	PEL-TWA: 15 mg/m ³ (total dust), 5 mg/m ³ (respirable) (OSHA) PEL-TWA: 10 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction) (Cal/OSHA)
Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.

8.2 Exposure Controls:

Engineering controls	Showers. Eyewash stations. Minimize exposure concentrations at the workplace. If adequate ventilation is not available, local ventilation must be used.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Safety glasses with side shields (or goggles EN 166).
Skin and body protection	Wear suitable protective clothing and gloves.
Respiratory protection	Use in well ventilated areas. (Filter (FFP2) (EN 141))
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke.
Environmental exposure controls	See Section 12: ECOLOGICAL INFORMATION.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state		Liquid
Appearance		
	<i>OA-ITMP-MM-100</i>	Colorless
	<i>OA-RTM-200</i>	Colorless
	<i>OA-CPPM4-100</i>	Pink Liquid
	<i>OA-NFW-350uL</i>	Colorless
Odor		Characteristic
Odor threshold		No information available

Property

Melting point / freezing point	ca. 0 °C
Boiling point / boiling range	ca. 100 °C
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	Not flammable.
Flammability Limit in Air	Not flammable.
Upper flammability limit	Not flammable.
Lower flammability limit	Not flammable.
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Specific gravity	No information available
Water solubility	Not applicable
Solubility in other solvents	Fully miscible with water.
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other Information:

Softening point	No information available
Molecular weight	No information available
VOC content (%)	No information available
Density	
Bulk density	No information available

10 STABILITY AND REACTIVITY

10.1 Reactivity:	Non-reactive under normal use conditions.
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No data available.
10.4 Conditions to avoid:	No data available.
10.5 Incompatible Materials:	Acids, alkalis (except ammonia), oxidizing agents.
10.6 Hazardous decomposition products:	No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Product information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
Eye contact	Redness, may cause slight irritation.
Skin contact	Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.
Ingestion	May cause drowsiness or dizziness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Symptoms include burning sensation, coughing, wheezing, shortness of breath, headache, nausea, and vomiting.

Product number	Product name	Acute oral toxicity:	Acute dermal toxicity:	Acute inhalation toxicity:
OA-RTM-200	RT Mix	12600 mg/kg	10000 mg/kg	570 mg/m ³ /1H
OA-ITMP-MM-100	2X InhibiTaq Multiplex HotStart MasterMix	12600 mg/kg	10000 mg/kg	570 mg/m ³ /1H

Skin corrosion/irritation	Based on available data, classification data are not met. Overexposure may cause mild skin irritation.
Serious eye damage/eye irritation	Mild
Sensitization	Not classified based on available information.



Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
Developmental toxicity	Not classified based on available information.
Teratogenicity	Not classified based on available information.
STOT - single exposure	Not classified based on available information.
STOT - repeated exposure	Not classified based on available information.
Neurological effects	Not classified based on available information.
Target organ effects	Eyes, Kidneys, Respiratory system, Skin.
Other adverse effects	Not classified based on available information.
Symptoms	No information available.
Aspiration hazard	Not classified based on available information.

12 ECOLOGICAL INFORMATION

12.1 Toxicity: No information available.

12.2 Persistence and degradability: No information available.

12.3 Bioaccumulative potential: No information available.

12.4 Mobility in soil: No information available.

12.5 Results of PBT and vPvB assessment: No information available.

12.6 Other adverse effects:

<p>OA-RT-200 <i>RTScript Reverse Transcriptase,</i> <i>200U/uL</i></p>	<p>Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.</p>
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13 DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Keep out of drains, sewers, ditches and waterways. Disposal should be in accordance with applicable regional, national and local laws and regulations. Empty containers must be tripled rinsed prior taken to an approved waste handling site for recycling or disposal.

14 TRANSPORT INFORMATION

Applicable for RID/ADR/ICAO/IATA

- | | |
|---|----------------|
| 14.1 UN number: | Not regulated |
| 14.2 UN Proper shipping name: | Not regulated |
| 14.3 Transport hazard class(es): | Not regulated |
| 14.4 Packing group: | Not regulated |
| 14.5 Environmental hazards: | Not applicable |
| 14.6 Special precautions for user: | None |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: | Not applicable |

15 REGULATORY INFORMATION

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

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

SARA 311/312 Hazards

No SARA Hazards

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

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.



California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

TSCA list

All of the ingredients are listed.

WHMIS Classification:

Flu A/B Positive Control	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

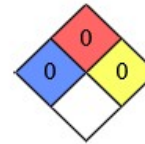
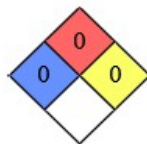
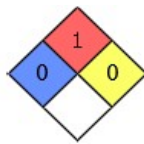
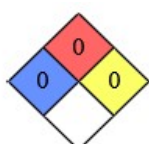
4X InhibiTag PLUS HotStart qPCR MasterMix/4X InhibiTag HotStart qPCR MasterMix	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

CoVi Primer/Probe Mix 4	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

10X Reaction (No MgCl2) Buffer	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

Direct RT Mix/RT Mix	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



15.2 Chemical Safety Assessment:

Chemical Safety Report

No information available

16 OTHER INFORMATION

Full text of other abbreviations:

GHS - Globally Harmonized System, CAS - Chemical Abstracts Service, MSHA - Mine Safety and Health Administration, NIOSH - National Institute for Occupational Safety and Health, RMM - Risk management methods, TWA - Time Weighted Average, OSHA - Occupational Safety and Health Administration, ACGIH - American Conference Of Governmental Industrial Hygienists, VOC - Volatile Organic Compound, LD - Lethal Dose, STOT - Specific Target Organ Toxicity, PBT - Persistence, Bioaccumulation, and Toxicity, vPVB - very Persistent, very Bioaccumulative, RID - International Carriage of Dangerous Goods by Rail, ADR - european agreement concerning the international carriage of dangerous goods by road, ICAO - International Civil Aviation Organization, IATA - International Air Transport Association, UN - United Nations number, MARPOL - International Convention for the Prevention of Pollution from Ships

Further information:

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.



End of Safety Data Sheet