

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY	
<b>Product name</b>	Atlas Star 100 bp DNA Ladder EXPRESS
<b>Catalog number</b>	BA01302 BA01303
<b>Manufacturer/Supplier</b>	Bioatlas Riia 181A Tartu, 51014 Estonia Phone: +372 5562 4867
<b>Information in case of emergency</b>	Phone: +372 5562 4867 e-mail: info@bioatlas.com

2. COMPOSITION/ INFORMATION ON INGREDIENTS
The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. HAZARDS IDENTIFICATION	
<b>Hazard description</b>	Not applicable.
<b>Information concerning particular hazards for human and environment</b>	Not applicable.
<b>Classification system</b>	The classification is according to the latest editions of the EU-lists.

4. FIRST-AID MEASURES	
<b>Inhalation</b>	Move to fresh air. If breathing becomes difficult, call a physician.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	Generally, the product does not irritate the skin. Wash off with plenty of soap and water.
<b>Eye contact</b>	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
<b>Notes to physician</b>	Treat symptomatically.

5. FIRE-FIGHTING MEASURES	
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Protective equipment</b>	No special measures required.
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## 7. HANDLING AND STORAGE

<b>Handling</b>	No special measures are required for safe handling of this product.
<b>Storage</b>	No special precautions required. Store at -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limits</b>	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
<b>Personal protective equipment</b>	
Respiratory protection	Not required.
Hand protection	Protective gloves.
Eye protection	Protective goggles.
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Solution.
<b>Color</b>	Colorless (#BA01304, #BA01305)/Dark blue (#BA01302, #BA01303).
<b>Odor</b>	Odorless.
<b>Ph value</b>	Undetermined.
<b>Boiling point</b>	Undetermined.
<b>Melting point</b>	Undetermined.
<b>Flash point</b>	Not applicable.
<b>Autoflammability</b>	Not applicable.
<b>Explosion hazard</b>	Not applicable.
<b>Vapor pressure</b>	No information available.
<b>Relative density</b>	No information available.
<b>Water solubility</b>	Easily soluble.

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	None, if used according to specifications.
<b>Hazardous decomposition products</b>	No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure:</b>	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	No irritant effect.
Eye contact	No irritant effect.
<b>Sensitization</b>	No sensitizing effects known.
<b>Additional toxicological information</b>	When used and handled according to specifications, the product does not have any harmful effects to our experience.

## 12. ECOLOGICAL INFORMATION

Generally not hazardous for water.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste handling and disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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## 14. TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport.

## 15. REGULATORY INFORMATION

<b>Labeling according to EU guidelines</b>	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
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## 16. OTHER INFORMATION

**MSDS Creation Date:** 04.08.2008/ **Revision date:** 05.05.2019

*This information is believed to be accurate and represents the best information currently available to us. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Bioatlas is not held liable for any damage resulting from handling or from contact with the above mentioned products.*