

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product name REBEL Training Samples  
Product Reference #: SDR-23-0020  
Pure substance/mixture Mixtures

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

Recommended Use To be used for training on the REBEL Cell Culture Media Analyzer by 908 Devices  
Uses advised against No information available

### 1.3 Details of the supplier of the safety data sheet

Company Information ADS Biotec Inc.  
7409 Irvington Road  
Omaha, NE 68122  
USA

For further information, please contact:

E-mail Address support@adsbiotec.com

### 1.4 Emergency telephone number

Emergency telephone +44 (0) 870 190 6777 (24 hours, 7 days)

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Amino Acid Standard  
Corrosive to Metals (Category 1), H290

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the H-phrases mentioned in this Section, see Section 16

Warning

### 2.2 Label elements



**Signal Word**

Warning

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### Hazard Statements

H290 – May be corrosive to metals

### Precautionary statements

P234 – Keep only in original container.

P390 – Absorb spillage to prevent material damage.

P406 – Store in corrosive resistant container with a resistant inner

### 2.3 Other information

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

No components need to be disclosed according to the applicable regulations.  
For full test of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms develop obtain medical attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If symptoms develop obtain medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Wash out mouth with water and give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.
<b>Inhalation</b>	Remove patient from exposure, keep warm and at rest. If symptoms develop obtain medical attention.

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

**Main Symptoms** Prolonged or repeated may cause nausea, headache and vomiting

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician** Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### **Suitable Extinguishing Media**

Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam

#### **Extinguishing media which shall not be used for safety reasons**

None.

### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors: Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides, and hydrogen chlorine gas.

### 5.3 Advice for firefighters

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As in any fire, wear self-contained breathing apparatus and full protective gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

#### 6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

#### 6.3 Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wash spill area with soapy water. Dispose of wastes in an approved waste disposal facility.

#### 6.4 Reference to other sections

See Section 8. Waste Disposal Methods: See also section 13.

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Wear personal protective equipment.

When using do not smoke, eat or drink.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep away from direct sunlight. Keep at temperatures between 2 and 8°C

#### 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

#### 8.2 Exposure controls

**Appropriate engineering controls** Ensure adequate ventilation

#### **Personal protective equipment**

**Eye Protection** Safety glasses with side-shields (EN 166)

**Hand Protection** Protective gloves (EN 374).

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** Maintain adequate ventilation

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure Controls** Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid
Odor	No information available
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density		No information available
Water solubility		Completely miscible
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		Not applicable
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	Not explosive	
Oxidizing Properties	Not applicable	

**9.2 Other information**

Softening point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk Density	No information available

**SECTION 10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

None known.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Violent reactions possible between Amino Acid Standard and the generally known reaction partners of water.

**10.4 Conditions to Avoid**

Extremes of temperature and direct sunlight.

**10.5 Incompatible Materials**

Metals

**10.6 Hazardous Decomposition Products**

In the event of fire, see Section 5.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

<b>Acute toxicity</b>	No Data Available
<b>Skin corrosion/irritation</b>	No Data Available
<b>Serious Damage/Eye Irritation</b>	No Data Available
<b>Respiratory or Skin Sensitisation</b>	No Data Available
<b>Mutagenicity</b>	No Data Available
<b>Carcinogenicity</b>	No Data Available
<b>Reproductive toxicity</b>	No Data Available
<b>STOT - Single exposure</b>	No Data Available
<b>STOT - Repeated exposure</b>	No Data Available
<b>Aspiration hazard</b>	No Data Available
<b>Other information</b>	No information available.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No Data Available

**12.2 Persistence and degradability**

No Data Available

**12.3 Bioaccumulative potential**

No Data Available

**12.4 Mobility in soil**

No Data Available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

No Data Available

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

<b>Waste from residues / unused products</b>	Dispose of in accordance with national and local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION**

	<b>ADR/RID/ADN</b>	<b>ICAO/IATA</b>	<b>IMDG / IMO</b>
<b>UN Number</b>	1789	1789	1789
<b>Proper shipping name</b>	Hydrochloric Acid	Hydrochloric Acid	Hydrochloric Acid
<b>Transport hazard class(es)</b>	8	8	8
<b>Packing Group</b>	III	III	III
<b>Environmental Hazards</b>	Not Classified	Not Classified	Not Classified
<b>Special precautions for users</b>	No special precautions are needed in handling this material		
<b>Transport in bulk according to MARPOL 73/78 and the IBC Code</b>			

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classification according to Regulation (EC) No 1272/2008.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical Safety Assessment**

Chemical Safety Assessment has not been carried out.

**SECTION 16. OTHER INFORMATION****Full text of H-Statements referred to under section 2**

H290 – May be corrosive to metals

**Full text of P-Statements referred to under section 2**

P234 – Keep only in original container.

P390 – Absorb spillage to prevent material damage.

P406 – Store in corrosive resistant container with a resistant inner

<b>Issuing date</b>	14-Jun-2023
<b>Revision Date</b>	27-Jul-2023
<b>Revision Note</b>	1 - Revise metadata, product name to match product label.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

## **SDR-23-0020 REBEL Training Samples**

### **Disclaimer**

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.