

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

1.1 Product identifier

Product name SDR-23-0020 Amino Acid Training Kit
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 908devices
Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Company Information ADS Biotech 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

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

Eye contact	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.
Skin contact	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.
Ingestion	Do NOT induce vomiting. Wash out mouth with water and give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.
Inhalation	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 (CO₂), 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

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

Acute toxicity	No Data Available
Skin corrosion/irritation	No Data Available
Serious Damage/Eye Irritation	No Data Available
Respiratory or Skin Sensitisation	No Data Available
Mutagenicity	No Data Available
Carcinogenicity	No Data Available
Reproductive toxicity	No Data Available
STOT - Single exposure	No Data Available
STOT - Repeated exposure	No Data Available
Aspiration hazard	No Data Available
Other information	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****Waste from residues / unused products**

Dispose of in accordance with national and local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

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

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

Issuing date 14-Jun-2023**Revision Date** not applicable**Revision Note** not applicable.**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.**

SDR-23-0020 Amino Acid Training Kit

Disclaimer

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