SAFETY DATA SHEET

Co-Detection Antibody Diluent

According to Regulation (EC) No 1907/2006

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

1.1 Product Identifier

Product Name	Co-Detection Antibody Diluent
Product No	323160

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

Identified uses	For Research Use Only. Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet

Company	Advanced Cell Diagnostics 7707 Gateway Blvd. Newark, CA 94560	Telephone Fax: Internet: Email address:	+1 510-576-8800 +1 510-576-8798 www.acdbio.com info.acd@bio-techne.com
Canada:	21 Canmotor Avenue Toronto, Ontario M8Z4E6 Canada	Telephone: Fax: Email address:	+1 855-668-8722 +1 905-827-6402 Canada.inquiries@bio-techne.com
United Kingdom:	19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB	Telephone: Fax: Email address:	+44 (0)1235 529449 +44 (0)1235 533420 info.emea@bio-techne.com
China	1193 Changning Road Unit 1901, Raffles Changning Shanghai, China	Telephone: Fax: Email address:	+86 400-821-3475 +76 (021)52371001 techsupport.cn@bio-techne.com

1.4 Emergency Telephone Number

Emergency Tel: For chemical emergency, spill, leak, fire, exposure, or accident call CHEMTREC day or night:
Within U.S. 1-800-424-9300 Worldwide +1 703-527-3887
Bio-Techne Tel: US: +1 612-379-2956 or +1 800-343-7475 / Europe: +44 (0)1235-529449 / China +86 400-821-3475

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with (EC) No 1272/2008 [GHS/CLP], (EU) 878/2020, 29 CFR 1910.1200 [OSHA]
Sensitization, skin - Category 1

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]

Signal Word: Warning

Statement(s)

Hazard Statements

H317	May cause an allergic skin reaction.

Precautionary Statements

P261	Avoid breathing vapor/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

2.3 **Other Hazards**

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Mixtures**

Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)	≤ 0.0025%
CAS # 55965-84-9 EC: 613-167-00-5	
Classification (EC 1272/2008) Skin Sens. 1 – H317	

SECTION 4: FIRST AID AND MEASURES

4.1 **Description of first aid measures**

General information

Consult a doctor and show this safety data sheet.

If Inhaled

Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

In Case of Skin Contact

Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

If Swallowed

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

In case of Eye Contact

Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

4.2 **Most important symptoms and effects, both acute and delayed.**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated Indication of any immediate medical attention and special treatment needed.

4.3 **Indication of immediate medical attention and special treatment needed.**

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

SECTION 5: FIRE FIGHTING MEASURES

5.1 **Extinguishing Media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 **Special hazards arising from the substance or mixture.**

In combustion, may emit toxic fumes.

5.3 **Precautions for fire fighters**

No specific firefighting procedure given.

Protective equipment for fire fighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Do not act without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

6.2 **Environmental Precautions**

Do not let product enter drains.

6.3 **Methods and material for containment and cleaning up**

Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.

6.4 **Reference to other sections**

For required PPE see section 8. For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

Specific end user(s)

Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

Protective equipment

Eye Protection

Use appropriate safety glasses.

Skin Protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Eye Protection

If risk of splashing, wear safety goggles or face shield.

Body Protection

Wear appropriate protective clothing.

Respiratory Equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid	**Vapor Pressure**	No data available
Odor	Little to none	**Vapor Density**	No data available
Odor Threshold	No data available	**Relative Density**	No data available
pH	No data available	**Solubility**	No data available
Melting / Freezing Point	No data available	**Partition Coefficient**	No data available
Boiling Point / Range	No data available	**Autoignition Temperature**	No data available
Flash Point	No data available	**Decomposition Temperature**	No data available
Evaporation Rate	No data available	**Viscosity**	No data available
Flammability (Solid, Gas)	No data available	**Explosive Properties**	No data available
Upper/Lower Flammability or Explosive Limits	No data available	**Oxidizing Properties**	No data available

9.2 Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 **Chemical stability**

Stable under recommended storage conditions.

10.3 **Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 **Conditions to avoid**

Heat, moisture.

10.5 **Incompatible Materials**

Strong acids/alkalis, strong oxidizing/reducing agents.

10.6 **Hazardous decomposition products**

Strong acids/alkalis, strong oxidizing/reducing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

Acute Toxicity

Classified based on available data.

Skin Corrosion / Irritation

Classified based on available data.

Serious Eye Damage/Irritation

Classified based on available data.

Cell Mutagenicity

Classified based on available data.

Carcinogenicity

Classified based on available data.

Reproductive Toxicity

Classified based on available data.

Specific Target Organ Toxicity – Single Exposure

Classified based on available data.

Specific Target Organ Toxicity – Repeated Exposure

Classified based on available data.

Aspiration Hazard

Classified based on available data.

Symptoms/Routes of Exposure

Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Ingestion:	There may be irritation of the throat.
Skin:	There may be mild irritation at the site of contact.
Eyes:	There may be irritation and redness.

Delayed/Immediate Effects: No known symptoms.

Additional Information

Classified based on available data.

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 on bioaccumulation

12.4 **Mobility in soil**

No data available

12.5 **Results of PBT and vPvB assessment**

No data available

12.6 **Endocrine disrupting properties**

No data available

12.7 **Other adverse effects**

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods**

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

SECTION 14: TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA

14.1 **UN Number**

Does not meet the criteria for classification as hazardous for transport.

14.2 **UN proper shipping name**

Does not meet the criteria for classification as hazardous for transport.

14.3 **Transport hazard class(es)**

Does not meet the criteria for classification as hazardous for transport.

14.4 **Packing group**

Does not meet the criteria for classification as hazardous for transport.

14.5 **Environmental hazards**

Does not meet the criteria for classification as hazardous for transport.

14.6 **Special precautions for user**

Does not meet the criteria for classification as hazardous for transport.

14.7 **Maritime transport in bulk according to IMO instruments**

Not applicable.

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

Statutory Instruments

TSCA (Toxic Substances Control Act): Not applicable.

SARA 313: Not applicable.

SARA 311/312: Not applicable.

CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable

15.2 **Chemical Safety Assessment**

A Chemical Safety Assessment has not been made for this product.

SECTION 16: OTHER INFORMATION

Further Information

This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet