

SAFETY DATA SHEET

ImmEdge™ Hydrophobic Barrier Pen

According to Regulation (EC) No 1907/2006

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

1.1 Product Identifier

Product Name ImmEdge™ Hydrophobic Barrier Pen
Product No 310018

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 (510) 576-8800 Fax: (510) 576-8798 Internet: www.acdbio.com Email address: info@acdbio.com
Canada:	21 Canmotor Avenue Toronto, Ontario M8Z4E6 Canada	Telephone: 1-855-668-8722 Fax: 902-827-6402 Email address: Canada.inquiries@bio-techne.com
United Kingdom:	19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB	Telephone: 44 (0)1235 529449 Fax: 44 (0)1235 533420 Email address: info.emea@bio-techne.com
China	1193 Changning Road Unit 1901, Raffles Changning Shanghai, China	Telephone: 86-400-821-3475 Office Fax: 76 (021)52371001 Email address: 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. 1-800-262-8200 Worldwide 1-703-741-5500
Bio-Techne Tel: US: 612-379-2956 or 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 (EC) 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]
Repr. Tox. Cat 1
Resp. Syst Cat. 3
Acute Tox. 3
Eye Irrit. Cat. 3
Organ Tox. Cat. 2
Acute Aquatic Tox. Cat 3
Chronic Aquatic Tox. Cat. 3

2.2 Label elements

Contains Organic Solvent

Label In Accordance with (EC) No. 1272/2008



Signal Word

Danger

ImmEdge™ Hydrophobic Barrier Pen

Hazard Statements

- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H360 May damage fertility or the unborn child.
- H371 May cause damage to organs.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P260 Do not breathe dust/fume/gas/mist/vapor/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 IN IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337+P313 If eye irritation persists: Get medical advice.

2.3 Other Hazards

Not classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Organic solvent	> 70%
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SECTION 4: FIRST AID AND MEASURES

4.1 Description of first aid measures

Inhalation

Remove to fresh air. Obtain medical attention.

Ingestion

Do not induce vomiting. If person is conscious, wash out mouth with water. Obtain medical attention.

Skin Contact

Wash thoroughly with water for at least 15 minutes. Obtain medical attention

Eye Contact

Wash thoroughly with water for at least 15 minutes. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information

No specific information

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

Treat Symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing Media

Extinguish with water spray, alcohol – resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No special hazards.

5.3 Advice for fire fighters

Special Fire Fighting Procedures

No special procedures required.

Protective equipment for fire fighters

Use respirator. Toxic gases can be evolved.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

Collect on absorbent material and dispose of in accordance with federal, state, and local environmental control regulations.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Use only with adequate ventilation. Wear eye protection and compatible chemical-resistant glove

7.2 Conditions for safe storage, including any incompatibilities

Store in refrigerator.

7.3 Specific end user(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control Parameters****Ingredient Comments**

No exposure limits noted for ingredient(s).

8.2 Exposure controls

Protective equipment

**Engineering measures**

Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

Respiratory Equipment

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

Hand Protection

Use compatible chemical-resistant gloves.

Eye Protection

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

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Use appropriate skin cream to prevent drying of skin. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke. **DO NOT SMOKE IN WORK AREA!**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Cloudy 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 determined

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Carbon monoxide, carbon dioxide, nitrogen oxides

10.4 Conditions to avoid

Avoid direct sunlight.

10.5 Incompatible Materials**Materials to avoid**

Strong oxidizing substances.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides.

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

ImmEdge™ Hydrophobic Barrier Pen

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.

Information on toxicological effects

Toxicological information

Acute toxicity

No data available

Serious eye damage eye irritation

No data available

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available, may cause congenital malformation in the fetus.

Acute effect

May cause skin irritation, mucus membrane irritation. May be harmful if swallowed, inhaled or absorbed through the skin.

Chronic effects

Not determined

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 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

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

14.1 UN proper shipping name

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

14.2 Transport hazard class(es)

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

14.3 Packing group

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

14.4 Environmental hazards

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

14.5 Special precautions for user

ImmEdge™ Hydrophobic Barrier Pen

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

Additional Transport Information

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

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.

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

Environmental Listing

Rivers (Prevention of Pollution) Act of 1961. Control of Pollution (Special Waste Regulations) Act of 1980.

Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Further Information

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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.