

Product Code: 40-400200.v2

Product Name: Thyretain™ Cell Attachment Solution

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1. Information on the Substance/Preparation and Company

1.1 Catalog # 40-400200. v2

Product name	Thyretain™ Cell Attachment Solution
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1.2 Company	Diagnostic Hybrids, Inc. 1055 East State Street, Suite 100 Athens, OH 45701, USA (740) 589-3300 or (866) 344-3477
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1.3 In emergencies	Call your local emergency center
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2. Components and Hazardous Ingredients

<u>Hazardous Ingredients</u> [Proprietary ingredients]	<u>Classification Substance</u> [Not applicable]

Classification key: Toxic (T); Very toxic (T+); Harmful (Xn); Irritant (Xi); Dangerous for the environment (N); Oxidizing agent (O); Explosive (E); Flammable (F)

3. Hazards Identification

- Contains non-hazardous quantities of proprietary ingredients [OSHA Regulations (Standards-29CFR) Hazard Communication-1910.1200(i)(1)].

4. First Aid Measures

- Eye contact:* Flush eyes immediately with water for 15 minutes, occasionally lifting the upper and lower eyelids
- Consult a doctor/medical service
- Skin contact:* Rinse with plenty of water
- Remove clothing before washing
 - Consult a doctor/medical service
- After inhalation:* Remove the victim into fresh air
- Consult a doctor/medical service
- After ingestion:* Consult a doctor/medical service

5. Fire Fighting Measures

- Suitable extinguishing media:* All non combustible extinguishing media allowed
- Unsuitable extinguishing media:* No data available
- Special exposure hazards:* No data available
- Instructions:* Take account of contaminated fire fighting water
- Use fire fighting water moderately and contain it
- Special protective equipment for firefighters:* No data available

6. Accidental Release Measures

- Personal protection:* See 8.2, below
- Environmental precautions:* Discharge according to local regulations
- Clean-up:* Take up liquid spill into absorbent material
- Discharge absorbed material according to local regulations
 - Wash clothing and equipment after handling

7. Handling and Storage

- Handling:* If solution is spilled: take up with an absorbent material; if contact is possible, wear gloves as protection.
- Discharge according to local regulations

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- Remove and clean contaminated clothing
 - Handle and open the container with care
- Storage: ▪ 15°C to 30°C

8. Exposure Controls/Personal Protection

8.1 Exposure Limits

Chemical/Component	TLV/NIOSH REL	OSHA PEL
Proprietary Ingredients	Not listed	Not listed

Note: Information in above table from NIOSH Pocket Guide to Chemical Hazards, 2005.

8.2 Control of Exposure

- Eye protection:* ▪ Safety glasses or Face shield
- Hand protection:* ▪ Gloves should be waterproof
- Suitable materials: Butyl rubber, natural rubber, neoprene, nitrile rubber, polyethylene, PVC
- Hands should be washed after working with this product.
- Skin protection:* ▪ Protective clothing
- Respiratory protection:* ▪ Area ventilation is generally adequate; avoid generation of dusts, mists or other airborne forms when working with the product
- Insufficient ventilation: wear respiratory protection

9. Physical and Chemical Properties

Liquid at room temperature.

Note: Boiling and Freezing Points for all aqueous components are near those of pure water.

10. Stability and Reactivity

- *Stability:* Hazardous polymerization will not occur. Stable if stored in specified conditions (see label).
- *Reactivity/Hazardous decomposition products:* No hazardous decomposition products are formed in high quantities.
- *Conditions/Materials to avoid:* Strong oxidizing agents.

11. Toxicological Information

Acute toxicity:

Proprietary Ingredients | LD₅₀ : none noted

Note: Toxicity levels listed in the table above are for the ingredients when in their pure state.]

Chronic toxicity:

Proprietary Ingredients | Target Organ(s): none noted

Routes of exposure

- Ingestion, inhalation, eyes and skin

Acute effects/symptoms

- May cause skin, eye, and mucous membranes and upper respiratory tract irritation.
- May be harmful if swallowed.

Chronic effects

- The chemical, physical, and toxicological properties have not been thoroughly investigated.

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12. Ecological Information

Aquatic toxicity: No data available

Other Information:

- *Effect on the ozone layer:* No data available
- *Greenhouse effect:* No data available
- *Effect on waste water purification:* No data available

13. Waste Disposal Considerations

Disposal methods:

- Dispose of material according to local regulations.

14. Transport Information


USA: No restrictions.

Canada: No restrictions

EU: No restrictions

15. Regulatory Information

Classification according to directives 67/548/EEC and 1999/45/EC

Symbol	
 Xi – irritant	R42/43: May cause sensitization by inhalation and skin contact S24/25: Avoid contact with skin and eyes S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

16. Other Information

- Based on: US 29 CFR 1910:1200(g); Canadian Hazardous Product Act, Part II; Directive 911155/EEC et seq.
- This product is designed for use by professionals.
- The above information is believed to be accurate and represents the information available to date, but Diagnostic Hybrids does not purport it to be all-inclusive; this should be used only as a guide.
- Refer to the Product Insert for this Product for additional details on the proper storage, handling, use, and disposal of the reagents included in this Product.
- Contact Diagnostic Hybrids, Inc. if additional information is required.

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