

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product Code** 300662  
**Product Name** IDENT™ Stain  
**Pure substance/mixture** Mixture

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

**Recommended Use** Method of determining sperm motility and concentration without the interference of detritus.  
**Uses advised against** Not available.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer**

Hamilton Thorne, Inc.  
100 Cummings Center, Suite 465E  
Beverly, MA 01915 U.S.A.  
www.hamiltonthorne.com

For further information, please contact Diarmaid Douglas Hamilton

**E-mail address** info@hamiltonthorne.com

**1.4. Emergency telephone number**

**Emergency Telephone** +1 978.921.2050, +1 800.323.0503

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| <b>Emergency Telephone - §45 - (EC)1272/2008</b> |
| <b>Europe</b>  112                               |

**Section 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**  
*Regulation (EC) No 1272/2008*

**Health hazards**  
Not classified.

**Physical Hazards**  
Not classified.

**2.2. Label elements**  
**Product identifier**  
Not applicable.

**2.3. Other hazards**  
Not available.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

| Chemical Name               | EC No.    | CAS No.    | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|-----------------------------|-----------|------------|----------|---|---------------------------|
| Hoechst 33342 bis-benzimide | 245-691-1 | 23491-52-3 | <1.0     | No data available   | No data available         |

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

|   |  |
|---|--|
| <b>Inhalation</b>                         | In case of inhalation, remove to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention immediately.  |
| <b>Skin Contact</b>                       | In case of contact, remove contaminated clothing. Immediately flush skin with copious amounts of water for at least 15 minutes. Obtain medical attention if skin reaction occurs.  |
| <b>Eye contact</b>                        | In case of eye contact, immediately flush eyes with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention if irritation persists.                                   |
| <b>Ingestion</b>                          | In case of accidental ingestion, wash out mouth with copious amounts of water. Seek medical attention immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. |
| <b>Self-protection of the first aider</b> | Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.                      |

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

**Symptoms** May be irritating to the skin and eyes and upper respiratory tract.

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

**Note to physicians** Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable extinguishing media**

None known.

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

Not available.

**Hazardous combustion products** Not available.

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

#### **Personal precautions**

Ensure adequate ventilation, especially in confined areas.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

See Section 12 for additional ecological information.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Rinse area with water. Clean up material and put into a suitable container and dispose of properly. Prevent product from entering drains.

### 6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

#### **General Hygiene Considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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

#### **Storage Conditions**

Upon receipt, store at 4°C protected from light. Product is shipped at ambient temperature. Keep from prolonged exposure to light.

### 7.3. Specific end use(s)

#### **Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### **Exposure Limits**

The product does not contain any hazardous materials with occupational exposure limits established for the EEC or its members.

#### **Derived No Effect Level (DNEL)**

Not available.

**Predicted No Effect Concentration (PNEC)** Not available.

## 8.2. Exposure controls

### **Engineering Controls**

The health hazard risks of handling this material are dependent on factors, such as physical form and quantity. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels as low as reasonably achievable.

### **Personal protective equipment**

#### **Eye/face protection**

In laboratory, medical or industrial settings, safety glasses with side shields are recommended. The use of goggles or full face protection may be required depending on the industrial exposure setting. Contact a health and safety professional for specific information.

#### **Skin and body protection**

Suitable protective clothing.

**Environmental exposure controls** Not available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                       |                   |                       |                |
|-----------------------|-------------------|-----------------------|----------------|
| <b>Physical state</b> | Solid             | <b>Odor</b>           | Not available. |
| <b>Appearance</b>     | Dehydrated pellet | <b>Odor threshold</b> | Not available. |
| <b>Color</b>          | Not available.    |                       |                |

| <u>Property</u>                      | <u>Values</u>  | <u>Remarks</u> |
|--------------------------------------|----------------|----------------|
| <b>pH</b>                            |                | Not available. |
| <b>Melting point/freezing point</b>  |                | Not available. |
| <b>Boiling point / boiling range</b> |                | Not available. |
| <b>Flash point</b>                   |                | Not available. |
| <b>Evaporation rate</b>              |                | Not available. |
| <b>Flammability (solid, gas)</b>     |                | Not available. |
| <b>Flammability Limit in Air</b>     |                |                |
| <b>Upper flammability limit:</b>     |                | Not available. |
| <b>Lower flammability limit:</b>     |                | Not available. |
| <b>Vapor pressure</b>                |                | Not available. |
| <b>Vapor density</b>                 |                | Not available. |
| <b>Specific Gravity</b>              |                | Not available. |
| <b>Water solubility</b>              | Moderate       | Not available. |
| <b>Solubility(ies)</b>               |                | Not available. |
| <b>Partition coefficient</b>         |                | Not available. |
| <b>Autoignition temperature</b>      |                | Not available. |
| <b>Decomposition temperature</b>     |                | Not available. |
| <b>Kinematic viscosity</b>           |                | Not available. |
| <b>Dynamic viscosity</b>             |                | Not available. |
| <b>Explosive properties</b>          | Not available. |                |
| <b>Oxidizing properties</b>          | Not available. |                |

### 9.2. Other information

|                         |                |
|-------------------------|----------------|
| <b>Softening point</b>  | Not available. |
| <b>Molecular weight</b> | Not available. |
| <b>VOC Content (%)</b>  | Not available. |
| <b>Density</b>          | Not available. |
| <b>Bulk density</b>     | Not available. |

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

|                                  |                |
|----------------------------------|----------------|
| Sensitivity to Mechanical Impact | Not available. |
| Sensitivity to Static Discharge  | None known.    |

### 10.3. Possibility of hazardous reactions

#### **Hazardous polymerization**

Hazardous polymerization does not occur.

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

None known based on information supplied.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Acute toxicity** Not available.

#### Product Information

|                     |                    |
|---------------------|--------------------|
| <b>Inhalation</b>   | No data available. |
| <b>Eye contact</b>  | No data available. |
| <b>Skin Contact</b> | No data available. |
| <b>Ingestion</b>    | No data available. |

**Unknown Acute Toxicity** 99.21% of the mixture consists of ingredient(s) of unknown toxicity.

**Component Information** No data available

**Skin corrosion/irritation** Not available.

**Serious eye damage/eye irritation** Possible eye irritant.

**Sensitization** Not available.

**Germ cell mutagenicity** Not available.

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|                                 |                |
|---------------------------------|----------------|
| <b>Carcinogenicity</b>          | Not available. |
| <b>Reproductive toxicity</b>    | Not available. |
| <b>Developmental Toxicity</b>   | Not available. |
| <b>Teratogenicity</b>           | Not available. |
| <b>STOT - single exposure</b>   | Not available. |
| <b>STOT - repeated exposure</b> | Not available. |
| <b>Chronic toxicity</b>         | Not available. |
| <b>Target Organ Effects</b>     | Not available. |
| <b>Aspiration hazard</b>        | Not available. |

## Section 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Not available.  
100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

### **12.2. Persistence and degradability**

Not available.

### **12.3. Bioaccumulative potential**

Not available.

### **12.4. Mobility in soil**

#### **Mobility in soil**

Not available.

#### **Mobility**

Not available.

### **12.5. Results of PBT and vPvB assessment**

Not available.

### **12.6. Other adverse effects**

Not available.

## Section 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

#### **Waste from Residues / Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Section 14: TRANSPORT INFORMATION

**Note:** Product is shipped at ambient temperature.

### IMDG

|   |                |
|---|----------------|
| 14.1 UN/ID No.  | Not available. |
| 14.2 Proper shipping name   | Not available. |
| 14.3 Hazard Class   | Not available. |
| 14.4 Packing Group  | Not available. |
| 14.5 Marine pollutant   | Not available  |
| 14.6 Special Provisions   | Unknown        |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not available. |

### RID

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID No.            | Not available. |
| 14.2 Proper shipping name | Not available. |
| 14.3 Hazard Class         | Not available. |
| 14.4 Packing Group        | Not available. |
| 14.5 Environmental hazard | Not available  |
| 14.6 Special Provisions   | Unknown        |

### ADR

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID No.            | Not available. |
| 14.2 Proper shipping name | Not available. |
| 14.3 Hazard Class         | Not available. |
| 14.4 Packing Group        | Not available. |
| 14.5 Environmental hazard | Not available  |
| 14.6 Special Provisions   | Unknown        |

### ICAO (air)

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID No.            | Not available. |
| 14.2 Proper shipping name | Not available. |
| 14.3 Hazard Class         | Not available. |
| 14.4 Packing Group        | Not available. |
| 14.5 Environmental hazard | Not available  |
| 14.6 Special Provisions   | Unknown        |

### IATA

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID No.            | Not available. |
| 14.2 Proper shipping name | Not available. |
| 14.3 Hazard Class         | Not available. |
| 14.4 Packing Group        | Not available. |
| 14.5 Environmental hazard | Not available  |
| 14.6 Special Provisions   | Unknown        |

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Does not comply |
| <b>DSL/NDSL</b>      | Does not comply |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Does not comply |
| <b>PICCS</b>         | Does not comply |
| <b>AICS</b>          | Does not comply |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

Not available.

**Section 16: OTHER INFORMATION**

|                      |                |
|----------------------|----------------|
| <b>Issue Date</b>    | 29-Mar-2016    |
| <b>Revision Date</b> | 29-Mar-2016    |
| <b>Revision Note</b> | Not available. |

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

**Disclaimer**

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End of Safety Data Sheet