

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

1.1. Product identifier

Product Code 720296
Product Name VIADENT™ Stain
Pure substance/mixture Mixture

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

Recommended Use Method of determining viable sperm count, concentration, and percentage.
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

Emergency Telephone - §45 - (EC)1272/2008
Europe 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 33258 bis Benzimide	245-690-6	23491-45-4	<1.0	No data available	No data available

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	In case of inhalation, remove to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention immediately.
Skin Contact	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.
Eye contact	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.
Ingestion	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.
Self-protection of the first aider	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.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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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

Physical state	Solid	Odor	Not available.
Appearance	Dehydrated pellet	Odor threshold	Not available.
Color	Not available.		

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

9.2. Other information

Softening point	Not available.
Molecular weight	Not available.
VOC Content (%)	Not available.
Density	Not available.

Bulk density 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

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	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.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
Developmental Toxicity	Not available.
Teratogenicity	Not available.
STOT - single exposure	Not available.
STOT - repeated exposure	Not available.
Chronic toxicity	Not available.
Target Organ Effects	Not available.
Aspiration hazard	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

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Does not comply
AICS	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

Issue Date	29-Mar-2016
Revision Date	29-Mar-2016
Revision Note	Not available.

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

Disclaimer

Hamilton Thorne, Inc. considers that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. The information contained herein is designated only as guidance for safe handling, storage and use of the product and is not a specification nor does it guarantee any specific properties. Only competent personnel, within a controlled environment should handle all chemicals. Hamilton Thorne, Inc. not be held liable for any loss, injury or damage from contact with the product.

End of Safety Data Sheet