
Section 1: Information

1. Product Identification

1.1. Name: Hoechst 33342

1.2. Catalog Number

1.2.1. ViaStain™ Live Caspase 3/7 Detection for 2D/3D Culture with Hoechst, Cat. No.: CSK-V0003-1, 25uL

1.2.2. ViaStain™ Live Caspase 3/7 Detection for 2D/3D Culture with Hoechst, Cat. No.: CSK-V0003-S, 10uL

1.2.3. Hoechst 33342, Cat. No.: CS1-0128-5mL, 5mL

1.2.4. Hoechst 33342, Cat. No.: CS1-0128-S, 20µL

1.2.5. ViaStain™ Hoechst/PI Viability Kit, Cat. No.: CSK-V0005-1, 50µL

1.2.6. ViaStain™ Hoechst/PI Viability Kit, Cat. No.: CSK-V0005-S, 10µL

1.2.7. ViaStain™ Calcein AM/Hoechst/PI Viability kit, Cat. No.: CSK-V0006-1, 40µL

1.2.8. ViaStain™ Calcein AM/Hoechst/PI Viability kit, Cat. No.: CSK-V0006-S, 8µL

1.2.9. Celigo Training Kit, Cat. No.: CELIGO_TK-01-00011, 60uL

1.2.10. ViaStain™ Celigo Annexin V-FITC Kit, Cat. No.: CSK-V0007-1, 6 µL

1.2.11. ViaStain™ Celigo Annexin V-FITC Kit, Cat. No.: CSK-V0007-S, 6 µL

1.3. Supplier

Nexcelom Bioscience, LLC.

360 Merrimack St. Building 9

Lawrence, MA 01843

Phone Number: 1 (978) 327-5340

Hours of Operation: 9am-5pm EST

2. Recommended Use

2.1. Hoechst 33342 should only be used as a nuclear staining reagent for detecting the total number of cells

2.2. Hoechst 33342 is not intended to be used as a human or animal diagnostic or as a therapeutic reagent, it is intended for research use only

2.3. Do not use Hoechst 33342 for any other uses

Section 2: Hazard Identification

1. Hazard Classification

1.1. No hazard classification to report

1.2. No R-phrases to report

2. Label Elements

2.1. Signal Words: None

2.2. Hazard Statements: None

2.3. Precautionary Statements: None

2.4. Supplemental Hazard Statements: None

2.5. Pictograms:

- 2.5.1. None
- 2.6. Other Hazards Which Do Not Result in Classification
 - 2.6.1. None of the components are considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher
 - 2.6.2. To our knowledge, the hazards of this material have not been thoroughly investigated, but we recommend the handling of all chemicals to be done with caution

Section 3: Composition and Information on Ingredients

1.1. Substances

Common Name	Molecular Formula and Weight	CAS Number/IUPAC Name	EC-Number	Impurities and Stabilizers	Percentage
Hoechst 33342	C ₂₇ H ₂₈ N ₆ O (452.562 g/mol)	23491-52-3	245-691-1	-	0.1 % - 2 %
Water	H ₂ O (18.015 g/mol)	7732-18-5	231-791-2	-	98 % - 99.9 %

Section 4: First-aid Measures

1. Always remove contaminated personnel away from the hazardous area and to a safe area
2. Most Important Symptoms and Effects
 - 2.1. No information available
 - 2.2. See Section 11
3. Indication of Immediate Medical Attention or Necessary Special Treatment
 - 3.1. No information available
4. Medical Professionals
 - 4.1. If medical advice or attention is required, present them with this safety data sheet first
 - 4.2. Notes to Physician: Treat symptomatically
5. Inhalation
 - 5.1. Not anticipated as an inhalation risk if used under recommended conditions
 - 5.2. Place person in fresh air and in a comfortable position for breathing
 - 5.3. Seek medical advice or attention if necessary
6. Skin Contact
 - 6.1. Remove any contaminated clothing, and wash area with soap and plenty of water for 15 minutes
 - 6.2. Wash clothes before re-use
 - 6.3. Seek medical advice or attention if irritation persists
7. Eye Contamination

- 7.1. Flush open eyes for 15 minutes
- 7.2. If contacts are present, remove contacts after first 15-minute wash and flush for an additional 15 minutes
- 7.3. Seek medical advice or attention if irritation persists
8. Ingestion
 - 8.1. Do not induce vomiting
 - 8.2. Drink plenty of water
 - 8.3. Never give an unconscious person anything by mouth
 - 8.4. Seek medical advice or attention if irritation persists

Section 5: Fire-fighting Measures

1. Suitable Extinguishing Media
 - 1.1. Carbon dioxide
 - 1.2. Dry chemical extinguishers
 - 1.3. Appropriate foam extinguishers
 - 1.4. Water spray
2. Not Suitable Extinguishing Media
 - 2.1. None to report
3. Specific Hazards Arising from the Chemical
 - 3.1. Emits toxic fumes under fire conditions
4. Special Protective Actions for Fire-fighters
 - 4.1. Wear a self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
5. Further Information
 - 5.1. None to report

Section 6: Accidental Release Measures

1. Personal Precautions
 - 1.1. Use proper personal protective equipment to clean up spills promptly
2. Protective Equipment
 - 2.1. Use standard personal protective equipment
3. Emergency Procedures
 - 3.1. See Section 5
4. Accidental Spills or Release of the Product
 - 4.1. Wear proper protective equipment while cleaning up spills
 - 4.2. Remove ignition sources and provide adequate ventilation
 - 4.3. Contact emergency personnel if required
5. Emergency Responders
 - 5.1. Personal Protective Equipment
 - 5.1.1. See Section 5
6. Environmental Precautions

- 6.1. Prevent further leakage or spillage if safe to do so
- 6.2. Do not let product enter drains
- 7. Methods and Materials for Containment and Cleaning
 - 7.1. Drains
 - 7.1.1. Do not let product enter drains
 - 7.2. Capping procedures
 - 7.2.1. No information available
 - 7.3. Neutralization techniques
 - 7.3.1. No information available
 - 7.4. Decontamination techniques
 - 7.4.1. No information available
 - 7.5. Absorbent Materials
 - 7.5.1. Use inert absorbent materials
 - 7.6. Cleaning Techniques
 - 7.6.1. Use inert absorbent materials
 - 7.6.2. For disposal see Section 13
 - 7.7. Vacuuming Techniques
 - 7.7.1. No information available
 - 7.8. Special Equipment
 - 7.8.1. No information available

Section 7: Handling and Storage

- 1. Safe Handling
 - 1.1. Avoid breathing vapors, mists, and gasses
 - 1.2. Avoid formation of dusts
 - 1.3. Avoid prolonged and repeated exposure
- 2. Incompatible Substances
 - 2.1. No information available
- 3. Operations and Conditions to Avoid
 - 3.1. Avoid long-term exposures to light
- 4. General Good Hygiene Practices
 - 4.1. No eating, drinking or smoking in work areas
 - 4.2. Wash hands after breaks and at the end of the work day
 - 4.3. Remove contaminated clothing and protective equipment before entering eating areas
- 5. Conditions for Safe Storage
 - 5.1. Store container tightly closed and in a dry, cool, and well-ventilated place
 - 5.2. Conditions to avoid
 - 5.2.1. Long term exposure to light
 - 5.3. Environmental Effects to avoid
 - 5.3.1. No information available
- 6. How to maintain product integrity

- 6.1. No information available
- 7. Engineering Advice
 - 7.1. No information available

Section 8: Exposure Controls and Personal Protection

- 1. Occupational Exposure Limits
 - 1.1. American Conference of Government Industrial Hygienists (ACGIH)- No information available
 - 1.2. Threshold Limit Values (TLV)- No Information available
 - 1.3. International Agency for Research on Cancer (IARC)- No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible, or confirmed a human carcinogen by IARC
 - 1.4. National Toxicology Program (NTP)- No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP
- 2. Biological Limits
 - 2.1. No information available
- 3. Appropriate Engineering Controls
 - 3.1. Follow general industrial hygiene practices
- 4. Exposure Controls
 - 4.1. Always use good occupational hygiene practices
 - 4.1.1. Do not eat, drink, or smoke while using this product
 - 4.1.2. Wash hands before breaks and at the end of the work day
 - 4.1.3. Regularly clean equipment, work area, and clothing
 - 4.2. Eye and face protection
 - 4.2.1. Follow safe laboratory practices
 - 4.3. Skin protection
 - 4.3.1. Follow safe laboratory practices
 - 4.4. Respiratory Protection
 - 4.4.1. Follow safe laboratory practices
 - 4.5. Thermal Hazards
 - 4.5.1. Follow safe laboratory practices
- 5. Special Equipment
 - 5.1. No information available

Section 9: Physical and Chemical Properties

Property	Data
Physical State	Liquid
Color	Yellow
Odor	No information available

Odor Threshold	No information available
Freezing Point	No information available
Melting Point	No information available
Boiling point or Initial Boiling Point/Range	No information available
Flammability	No information available
Lower and Upper Explosion Limit/Flammability Limit	No information available
Flash Point	No information available
Auto-Ignition Temperature	No information available
Explosive Properties	No information available
Decomposition Temperature	No information available
Oxidizing Properties	No information available
pH	No information available
Viscosity	No information available
Solubility	No information available
Partition Coefficient n-octanol/water (Log value)	No information available
Vapor Pressure	No information available
Density and/or Relative Density	No information available
Relative Vapor Density	No information available
Particle Characteristics	No information available
Evaporation Rate	No information available
Surface Tension	No information available

Section 10: Stability and Reactivity

1. Reactivity
 - 1.1. No information available
2. Chemical Stability
 - 2.1. Stable under recommended storage conditions
3. Possibility of Hazardous Reactions
 - 3.1. No information available
4. Conditions to avoid
 - 4.1. No information available
5. Incompatible Materials
 - 5.1. No information available
6. Hazardous Decomposition Products
 - 6.1. Formed under fire: Toxic fumes
 - 6.2. Other decomposition products: No information available

Section 11: Toxicological Information

1. Acute Toxicity
 - 1.1. No information available
2. Skin Corrosion/Irritation

- 2.1. May cause irritation in susceptible people
- 3. Serious Eye Damage/Irritation
 - 3.1. May cause irritation in susceptible people
- 4. Respiratory or Skin Sensitization
 - 4.1. No information available
- 5. Germ Cell Mutagenicity
 - 5.1. Potentially harmful
- 6. Carcinogenicity
 - 6.1. IARC
 - 6.1.1. No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible, or confirmed human carcinogen by IARC
 - 6.2. NTP
 - 6.2.1. No component of this product present at levels greater than or equal to 0.1 % is identified as known or anticipated carcinogen by NTP
 - 6.3. OSHA
 - 6.3.1. NO component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA
- 7. Reproductive Toxicity
 - 7.1. No information available
- 8. Specific Target Organ Toxicity- Single Exposure
 - 8.1. No information available
- 9. Specific Target Organ Toxicity – Repeated Exposure
 - 9.1. No information available
- 10. Aspiration Hazard
 - 10.1.No information available
- 11. Likely Routes of Exposure
 - 11.1.Skin
 - 11.2.Eyes
- 12. Other Information
 - 12.1.Registry of Toxic Effects of Chemical Substances
 - 12.1.1. None to report

Section 12: Ecological Information

- 1. Ecotoxicity: May cause long-lasting, harmful effects to aquatic life
 - 1.1. Fish
 - 1.1.1. No information available
 - 1.2. Crustaceans
 - 1.2.1. No information available
 - 1.3. Algae
 - 1.3.1. No information available
 - 1.4. Other Aquatic Plants

- 1.4.1. No information available
- 1.5. Soil Micro- and Macro-Organisms
 - 1.5.1. No information available
- 1.6. Birds
 - 1.6.1. No information available
- 1.7. Bees
 - 1.7.1. No information available
- 1.8. Plants
 - 1.8.1. No information available
- 1.9. Inhibition of Micro-Organisms
 - 1.9.1. No information available
- 1.1. Impact on Sewage Treatment Plants
 - 1.1.1. See Section 13
- 2. Persistence and Degradability
 - 2.1. No information available
- 3. Bioaccumulative Potential
 - 3.1. No information available
- 4. Mobility in Soil
 - 4.1. No information available
- 5. Other Adverse Effects
 - 5.1. Environmental Fate
 - 5.1.1. No information available
 - 5.2. Ozone Depletion Potential
 - 5.2.1. No information available
 - 5.3. Photochemical Ozone Creation Potential
 - 5.3.1. No information available
 - 5.4. Endocrine Disrupting Potential and/or Global Warming Potential
 - 5.4.1. No information available

Section 13: Disposal Considerations

- 1. Disposal Methods
 - 1.1. Please take precautions to generate as little waste as possible while handling and using this product
 - 1.2. Do not dispose of contaminated materials in the sewage
 - 1.3. Packaging, containers, solutions and any material that may have come in contact with this product should be considered as hazardous as the product itself
 - 1.4. Disposal of this product and any of its by-products should be in compliance with all applicable local, regional and national/federal biological hazardous waste disposal regulations
- 2. Disposal Containers and methods
 - 2.1. See Section 6

Section 14: Transport Information

1. DOT (US)
 - 1.1. NA-Number: No information available
 - 1.2. Class: No information available
 - 1.3. Packing Group: No information available
 - 1.4. Proper Shipping Name: No information available
 - 1.5. Reportable Quantity: No information available
 - 1.6. Poison Inhalation Hazard: No information available

Section 15: Regulatory Information

1. States with Right to Know Components
 - 1.1. State Right to Know Components
 - 1.1.1. No information available
2. No regulatory information to report (29 CFR 1910.1200(g)(2))

Section 16: Other Information

1. Literary references
 - 1.1. None to report

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Date Revised: 05/22/2019

Revision Number: D

1. added CSK-V0007

END OF SDS