

# Vernier Software & Technology Material Safety Data Sheet (MSDS)

## StabCal® Formazin Standard 100 NTU

Vernier Software & Technology

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Hexamethylenetetramine

CAS#: 100-97-0

Percent Range: 1.0 to 10.0

Demineralized Water

CAS#: 7732-18-5

Percent Range: 90.0- to 100.0

Formazin Polymer

CAS#: Not available

Percent Range: <0.1

### Section 2 - HAZARD IDENTIFICATION

Turbid, milky suspension. Odorless.

May cause eye and skin irritation. May cause allergic skin reaction. Ingestion may cause gastrointestinal irritation or kidney damage.

### Section 4 - FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Eye: Immediately flush with fresh water for 15 minutes. Call a physician.

External: Wash skin with soap and plenty of water.

Internal: Induce vomiting using syrup of ipecac or by sticking fingers down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.

This material will not burn. During a fire, this product decomposes to form toxic gases. As in any fire, when self-contained breathing apparatus pressure-demand and full protective gear. Evacuate area and fight fire from a safe distance.

### Section 6 - ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Absorb spilled liquid with...

### Section 7 - HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Do not breathe dusts or vapors. Wash thoroughly after handling. If you get it on you...

### Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

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**Section 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance: Turbid, milky suspension. Odorless.  
Solubility: Miscible in water and acid.  
pH: 8.14  
Boiling Point: 100°C  
Formula Weight: not applicable

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**Section 10 — STABILITY AND REACTIVITY**

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Stable when stored under proper conditions. Avoid extreme temperatures.  
Heating to decomposition releases: ammonia, carbon monoxide, formaldehyde, nitrogen oxides.

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**Section 11 — TOXICOLOGICAL INFORMATION**

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LD50: None reported                                      LC50: None reported  
Skin and Eye Irritation Data: none reported  
Mutation Data: Hexamethylenetetramine: Cytogenic analysis in human Hela cells @ 1 mmol/L; Oncogenic transformation - hamster kidney - 10 mg/L  
Reproductive effects Data: none reported

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**Section 12 — ECOLOGICAL INFORMATION**

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Hexamethylenetetramine: Water Pollution Factors: BOD<sub>5</sub>: 0.015, 0.026, std. dil. sew.

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**Section 13 — DISPOSAL CONSIDERATIONS**

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Dilute material with excess water making a weaker than 5% solution. Open cold water tap completely, slowly pour the material to the drain. Flush system with plenty of water. Please consult with state and local regulations for more stringent requirements.

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**Section 14 — TRANSPORT INFORMATION**

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Shipping Name: Not regulated                                      UN Number: N/A  
N/A = Not applicable    Hazard Class: N/A

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**Section 15 — REGULATORY INFORMATION**

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OSHA: This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard (29 CFR 1910.1200).

EPA: SARA Title III Section 311/312

Health Hazard.

US Inventory Status: All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710)

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**Section 16 — OTHER INFORMATION**

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