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

### Section 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# StablCal<sup>®</sup> Formazin Standard 100 NTU

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#### Section 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Hexamethylenetetramine CAS#: 100-97-0 Percent Range: 1.0 to 10.0 Demineralized WaterFCAS#: 7732-18-5CPercent Range: 90.0- to 100.0P

Formazin Polymer CAS#: Not available Percent Range: <0.1

#### Section 3 — HAZARDS 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 finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.

# Section 5 — FIRE FIGHTING MEASURES

This material will not burn. During a fire, this product decomposes to form toxic gases. As in any fire, wear selfcontained 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 non-reactive sorbant material and sweep up. Place in sealed bag or container and dispose of as normal refuse. Decontaminate the area of the spill with a soap solution. See Sections 8 and 13 for further information.

## Section 7 — HANDLING AND STORAGE

Avoid contact with eyes and skin. Do not breathe mist or vapors. Wash thoroughly after handling. Protect from heat.

## 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.

#### Section 9 — PHYSICAL AND CHEMICAL PROPERTIES

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

## Section 10 — STABILITY AND REACTIVITY

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

# Section 11 — TOXICOLOGICAL INFORMATION

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 Hexamethylenetetramine: Oral mouse LDLo = 512 mg/kg

## Section 12 — ECOLOGICAL INFORMATION

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

## Section 13 — DISPOSAL CONSIDERATIONS

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.

### Section 14 — TRANSPORT INFORMATION

Shipping Name: Not regulated N/A = Not applicable

UN Number: N/A Hazard Class: N/A

#### Section 15 — REGULATORY INFORMATION

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 Categorization (40 CFR 370) Immediate (Acute) Health Hazard Delayed (Chronic) Health Hazard.

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

#### Section 16 — OTHER INFORMATION

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