

MATERIAL SAFETY DATA SHEET

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Mon-Fri 8:00 am - 4:30 pm

24 Hour Emergency
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CHEMTREC
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SECTION 1 PRODUCT IDENTIFICATION**PRODUCT NAME:** 4000 NTU STOCK SOLUTION - FORMAZIN KIT**PART NUMBER:** 50040, 70914**CHEMICAL FAMILY:** NA**SYNONYMS:** NA

FORMULA: Hydrazine Sulfate <0.1%
Hexamethylenetetramine <10%
Formazin Polymer <1%
Water >88%

SECTION 2 HAZARDOUS INGREDIENTS

Other Limits

Hazardous Ingredient(s) <u>Recommended</u>	OSHA PEL	ACGIH TLV	
Hydrazine Sulfate CAS# 10034-93-2	Not listed	Not Listed	LD ₅₀ 601 mg/kg (oral rat)
Hexamethylenetetramine CAS# 100-97-0 rat)	Not Listed	Not Listed	LD ₅₀ 9200 mg/kg (intravenous
Formazin Polymer CAS# Not Applicable	Not Listed	Not Listed	Not Listed

SECTION 3 PHYSICAL DATA**Boiling Point(F):** Approximately 212 ° F (100 °C)**Specific Gravity (H₂O = 1):** Not found**Vapor Pressure (mm Hg):** Not applicable**Melting Point:** Not found**Vapor Density (Air = 1):** Not found**Evaporation Rate (Butyl Acetate = 1):** Not found**Solubility in Water:** Fluid layer is miscible**Appearance and Odor:** White suspension - little odor**Percent Volatile By Volume:** Not found**SECTION 4 FIRE AND EXPLOSION HAZARD DATA****Flash Point:** Not flammable**Flammable Limits:****LEL:** Not Applicable **UEL:** Not Applicable**Extinguishing Media:** Suitable to cause of fire**Special Fire Fighting Procedures:** NIOSHA approved respirator and protective clothing.**Unusual Fire and Explosion Hazards:** None found**SECTION 5 HEALTH EFFECTS AND FIRST AID****Route(s) of Entry:** Inhalation? No Skin? Yes Ingestion? Yes**Health Hazards (Acute and Chronic):** Acute and chronic for residual hydrazine sulfate**Carcinogenicity:****NTP?** Yes, for hydrazine sulfate**IARC Monographs?** Yes, for hydrazine sulfate**OSHA Regulated?** Yes, for Hydrazine CAS # 302-01-02, 1.3 mg/m³

TWA

Hydrazine sulfate, which may exist in residual amounts in formazin is a possible cancer hazard based on tests with laboratory animals.

Signs and Symptoms of Exposure: Irritation of the eyes, skin, and mucous membranes. Gastrointestinal pain if swallowed.**Medical Conditions Generally Aggravated by Exposure:** Allergies or sensitivity to hexamethylenetetramine.**EMERGENCY AND FIRST AID PROCEDURES:****Eyes:** Flush eyes for at least 15 minutes. See a physician.**Ingestion:** Get medical help immediately.**Skin:** Wash well with soap and water. If irritation develops, see a physician.**Inhalation:** Remove to fresh air.**SECTION 6 REACTIVITY DATA****Stability:** Stable under normal conditions of use and storage**Conditions to Avoid:** None found**Incompatibility (Materials to Avoid):** Not found**Hazardous Decomposition of Product:** None**Hazardous Polymerization :** Will not occur under normal conditions of use and storage**Conditions to Avoid:** None found**SECTION 7 SAFE HANDLING AND USE****Steps to be Taken in Case Material is Released or Spilled:** Absorb with earth, sand, or similar material. Flush area with water.**Waste Disposal Method:** DISPOSE OF IN ACCORDANCE THE APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.**Precautions to be Taken in Handling And Storage:** Normal precautions satisfactory. Avoid skin and eye contact.**Other Precautions:** Do not pipette by mouth**SECTION 8 CONTROL MEASURES****Respiratory Protection:** None required in normal use**Ventilation:** General ventilation is satisfactory for normal use**Skin Protection:** Rubber gloves**Eye Protection:** Splash goggles**Other Protective Clothing or Equipment:** Lab coat suggested. Safety shower and eye wash.**Work/Hygienic Practices:** Wash well after handling.

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