

# Material Safety Data Sheet

**1. PRODUCT IDENTIFICATION:**  
**4000 NTU Formazin StockSolution, Formazin Kit**

Catalog Number(s)-HF scientific: 50040 70914

**PRODUCT USE: Analytical / Laboratory Reagent**

NFPA RATINGS: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

**2. HAZARDS IDENTIFICATION**

TARGET ORGANS: Eyes, Skin, Inhalation, Ingestion  
 ACUTE TOXICITY: May Cause Irritation and Redness of Eyes or Skin  
 CHRONIC TOXICITY: Formazin Suspensions Can Contain Residual Hydrazine Sulfate, Which is a Carcinogen. May Affect Kidneys and Liver.  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-Existing Eye or Skin Conditions

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Component		Percent
Hexamethylenetetramine	CAS No. 100-97-0	≤ 10
Hydrazine Sulfate	CAS No. 10034-93-2	≤ 1
Deionized Water	CAS No. 7732-18-5	≥ 90

**4. FIRST AID MEASURES**

EYE CONTACT: Irrigate Immediately with Large Quantity of Water for at Least 15 Minutes. Call a Physician if Irritation Develops.  
 SKIN CONTACT: Flush with Plenty of Water for at Least 15 Minutes. Call a Physician if Irritation Develops.  
 INHALATION: Remove to Fresh Air. Give Artificial Respiration if Necessary. If Breathing is Difficult, Give Oxygen.  
 INGESTION: Induce Vomiting if Conscious. Never Give Anything by Mouth to an Unconscious Person. Call Physician Immediately.

**5. FIRE FIGHTING MEASURES**

FLASH POINT: NA AUTOIGNITION POINT: NA  
 FLAMMABILITY LIMITS: UPPER: NA LOWER: NA  
 EXTINGUISHING MEDIA: Use Media Appropriate to Surrounding Fire Conditions.

**6. ACCIDENTAL RELEASE MEASURES**

Absorbed Spilled Liquid with a Non-Reactive Sorbent Material and Place in Container for Pick-Up. Prevent Large Spills From Entering Drainage Systems or Bodies of Water. Clean Contaminated Area with Soap and Water Once Spill Has Been Removed.

**7. HANDLING AND STORAGE**

HANDLING: Avoid Contact with Eyes and Skin. Do Not Breathe Mist or Vapors. Wash Hands Thoroughly After Handling.  
 STORAGE: Store Between 5-25 C. Keep Away From Direct Sunlight. Protect From Heat.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE CONTROLS: Maintain General Industrial Hygiene Practices When Using This Product.  
 PERSONAL PROTECTIVE EQUIPMENT: Wear Safety Glasses, Lab Coat, and Latex or Nitrile Gloves When Handling Product. Ensure Adequate Ventilation is Available. Wash Hands Thoroughly After Handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid  
 APPEARANCE: White Suspension  
 ODOR: Slight Amine Smell  
 pH: Neutral  
 BOILING POINT: ~100 C  
 MELTING POINT: NA  
 SPECIFIC GRAVITY: 1.0  
 SOLUBILITY: Soluble in Water

**10. STABILITY AND REACTIVITY**

Product Stable When Stored Under Proper Conditions. Avoid Extreme Temperatures. Incompatible with Oxidizers. Hazardous Polymerization Will Not Occur. Heating to Decomposition Releases Ammonia, Carbon Monoxide, Formaldehyde, and Nitrogen Oxides.

**11. TOXICOLOGICAL INFORMATION**

Route of Exposure: Ingestion, Skin, Eyes, Mucous Membranes  
 Teratogen Status: None Found  
 Reproductive Toxicity: None Reported

**12. ECOLOGICAL INFORMATION**

No Ecological Data Available

**13. DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with Federal, State and Local Regulations.

**14. TRANSPORT INFORMATION**

Not Regulated

**15. REGULATORY INFORMATION**

OSHA: This Product Meets the Criteria for a Hazardous Substance as Defined in the Hazardous Communication Standard.  
 EPA.: SARA Title III Section 311/312: Acute Health Hazard. Chronic Health Hazard. This Product Contains a Chemical Subject to the Reporting Requirements of Section 313: Formaldehyde.  
 SARA 302: Formaldehyde 500 lbs  
 SARA 304: Formaldehyde 1000 lbs  
 Clean Water Act: RQ 100 lbs  
 RCRA: Contains No RCRA Regulated Substances  
 TSCA: All Ingredients Listed

**16. OTHER INFORMATION**

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.