

SAFETY DATA SHEET

1. Chemical Product and Company Identification

Description: 4000 NTU Formazin Stock Solution, Formazin Kit
CAS Number: Mixture
Catalog Number(s): 3822-4000, 159 001 592, 3822-4002, 159 001 591
Product Use: Analytical / Laboratory Reagent

Manufacturer/Supplier Information

Manufactured for and SDS prepared by:
Georg Fischer Signet LLC
3401 Aero Jet Ave
El Monte, CA 91731

Date Prepared: 4/22/15

For additional health, safety or regulatory information, call (626) 571-2770

**For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night**


**DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)**

2. Hazards Identification

GHS Classification

| Health | Environmental | Physical |
|---|------------------------|----------------------|
| Carcinogenicity: category 1 Acute Toxicity: category 5 Skin Irritation: category 3 Skin Sensitizer: category 1B Eye Irritation: category 2B | Aquatic Toxicity: none | Flammable Liquid: no |

GHS Label

| | |
|---|---|
| Pictogram:  | Signal Word: DANGER |
| Hazard Statements May be harmful if swallowed May be harmful in contact with skin May cause allergic skin reaction Causes eye irritation May cause cancer | Precautionary Statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If on skin flush with plenty of water for at least 15 minutes. Call a physician if irritation develops. If in eyes: irrigate immediately with large quantities of water for at least 15 minutes. Call a physician if irritation develops. |

| | |
|--|---|
| | <p>If expose or concerned, flush or irrigate with plenty of water and call a physician. Dispose of contents in accordance with local, regional, national and international regulations</p> |
|--|---|

3. Composition, Information on Ingredient

| <i>Chemical</i> | <i>CAS No</i> | <i>Percent</i> |
|------------------------|---------------|----------------|
| Deionized Water | 7732-18-5 | ≥ 90 |
| Hexamethylenetetramine | 100-97-0 | ≤ 10 |
| Hydrazine Sulfate | 10034-93-2 | ≤ 1 |

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 Procedures

Suitable Extinguishing Media: use media appropriate to surrounding fire conditions.

Fire Fighting Procedures: as in any fire, wear self contained breathing apparatus, pressure demand and full protective gear.

Unusual Fire and Exposure Hazards: during a fire this product decomposes to form toxic gases.

Combustion Products: toxic fumes of ammonia, formaldehyde, nitrogen oxides, carbon monoxide, carbon dioxide.

NFPA classification: HEALTH: 2 FLAMMABLE: 0 REACTIVITY: 0

6. Accidental Release Procedures

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 / Personnel Protection

Exposure Limits: not established.

Engineering controls: maintain general industrial/hygiene practices when using this product.

Personal protective equipment: Wear Safety Glasses, Lab Coat, and Latex or Nitrile Gloves

9. Physical and Chemical Properties

Flashpoint: N/A

Autoignition Temperature: N/A

Boiling Point: 100C
Melting Point: N/A
Vapor Pressure: N/A

Vapor Density: N/A
Percent Solubility in Water: 100%

Pour Point: N/A
Molecular Formula: mixture.
Odor/Appearance: turbidity, milky suspension

Lower Flammability Limit: N/A upper flammability limit: N/A
Specific Gravity: 1.002
Percent Volatile: N/A
Evaporation Rate (water equals 1): 0.63
Viscosity: N/A
Octanol / Water Partition Coefficient: N/A
pH: 6.4
Molecular Weight: mixture

10. Stability and Reactivity

Stability / Incompatibility: Product stable when stored under proper conditions. Avoid extreme temperatures. Incompatible with oxidizers.

Hazardous Reactions / Decomposition Products: hazardous polymerization will not occur. Heating to decomposition releases ammonia, carbon monoxide, formaldehyde and nitrogen oxides.

11. Toxicological Information

Symptoms of overexposure: irritation and redness of eye, skin and gastrointestinal tract.

Acute Effects: irritation and redness of is skin and gastrointestinal tract.

Eye Contact: irritation and redness of is.

Skin Contact: irritation and redness of skin.

Inhalation: N/A

Ingestion: irritation of the gastrointestinal tract.

Target Organs effects: eyes, skin

Chronic Effects: Formazin suspensions can cause residual hydrazine sulfate, which is a carcinogen.

Medical Conditions Aggravated by Exposure: pre-existing eye or skin conditions.

Acute Toxicity Values: N/A

12. Ecological Information

No Ecological Data Available.

13. Disposal Considerations

Dispose of in a manner consistent with international, federal, state and local regulations.

14. Transportation Information

US DOT (United States Department of Transportation): Not Regulated

IATA (International Air Transport Association): Not Regulated

IMO (International Maritime Organization): Not Regulated

15. Regulatory Information

CERCLA: none reported

SARA / Title III: acute health hazard. Chronic health hazard.

TSCA: All Ingredients Listed

Cal. Proposition 65: contains an ingredient (hydrazine sulfate) known to the state of California to cause cancer.

WHMIS D-2B: poisonous and infectious material. Materials causing other toxic effects-toxic material

DSL: all ingredients listed

NDSL: all ingredients listed.

16. Other Information

16.1 Disclaimer

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Revision

Date of latest revision: 4/22/15
Responsibility for SDS: S.K. Wells

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