HF scientific
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION: POLYMER FOR STREAMING CURRENT MONITOR CALIBRATION KIT

Catalog Number: HF Scientific – 19922 19926 22472

PRODUCT USE: Analytical / Laboratory Reagent

NFPA RATINGS: HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0

2. HAZARDS IDENTIFICATION

TARGET ORGANS: Skin, eyes and respiratory tract
ACUTE TOXICITY: May cause moderate eye irritation.
CHRONIC TOXICITY: Repeated or prolonged exposures may cause mild skin irritation. Drying / defatting of skin.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting skin disorders, eye problems or respiratory problems.

3. COMPOSITION / INFORMATION ON INGREDIENTS

	Percent
COMPONENT: Coagulant CAS NUMBER: N/A	>99%
COMPONENT: FD & C Blue No 1 CAS NUMBER: N/A	<1%

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Use fingers to assure that eyelids are separated and that eye is being irrigated. Call a physician.
SKIN CONTACT: Remove contaminated clothing. Flush contaminated area with copious quantities of water for 15 minutes. Call a physician.
INHALATION: Move patient immediately to uncontaminated atmosphere. Except in minor cases of exposure without symptoms, seek medical advice promptly.
INGESTION: Do not induce vomiting. Seek medical attention promptly. If vomiting occurs, take steps to avoid aspiration of vomited material into the respiratory tract. To prevent choking, position body so that material is freely ejected. Give milk, water containing milk of magnesia or olive oil.

5. FIRE FIGHTING MEASURES

FLASH POINT: >200°F AUTOIGNITION POINT: Not determined
FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Foam, CO_2, Dry chemical, or Water fog

6. ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Dike large spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize.

7. HANDLING AND STORAGE

Keep out of the reach of children

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: If the TLV is exceeded, wear a supplied air, full facepiece respirator, airlined hood or self-contained breathing apparatus.
Ventilation system: A system of local and/or general exhaust is recommended to keep employee exposures below the airborne exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into general work area.
Skin protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls to prevent skin contact.
Eye protection: use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material.
Other protective equipment: maintain eye wash fountain and quick-drench facilities in work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>212°F
Solubility in water:	Complete
Vapor pressure (mm Hg):	Not determined
Freezing point:	27-32°F
Appearance and odor:	Clear to hazy, amber liquid with slight amine odor
Vapor density (AIR=1):	Not determined
Specific Gravity:	1.14 – 1.18 @ 25°C
Percent volatile by volume:	~50
Evaporation rate:	Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage. Containers may burst when heated.
Conditions to avoid: No special requirements
Incompatibilities: strong oxidizers. This material reacts slowly with iron, copper and aluminum, resulting in corrosion and product degradation.
Hazardous decomposition products: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, hydrogen chloride, ammonia and/or nitrogen oxides.
Hazardous polymerization: will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Exposure: Contact and Ingestion
Teratogen Status: Not found
Mutagen Status: Not found
Reproductive Toxicity: Not found
Carcinogen Status: NTP Listed: No
IARC Monographs: No
OSHA Regulated: No

12. ECOLOGICAL INFORMATION

The tests for (products or similar products) were performed in clean water as set forth by USEPA (EPA/600/4-90/027). In order to evaluate the potential toxicity mitigation, the tests for (representative polymers) were performed in environmentally relevant water with dissolved organic carbon (DOC: 4.5 mg/l). The toxicity of this product is due to an external mode of action, e.g., suffocation or immobilization. In the presence of suspended material, e.g., DOC, the polymers are bound to suspended material and the bioavailability is substantially reduced. As a result, the toxicity is expected to be lower. Under normal use and discharge conditions, the LC50 values of the representative polymers tested in the presence of DOC are expected to apply to this product. However, for large spills, the clean water data is more applicable.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

SARA 302 RQ: No TPQ: No
SARA 313 List: No Chemical Catalog: No
CERCLA: No
RCRA: No
TSCA: No

Canadian Regulation
WHIMS: No
DSL: No
NDSL: No

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.