

MATERIAL SAFETY DATA SHEET

HF scientific, inc.
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Fort Myers, FL 33916-7597
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Mon-Fri 8:30 am-4:30 pm

24 Hour Emergency
Telephone Number
CHEMTREC
1-800-424-9300

SECTION 1 PRODUCT IDENTIFICATION**PRODUCT NAME:** CALIBRATION TURBIDITY STANDARDS**CATALOG NUMBERS:**

HF scientific, inc.:

19069	19826	19927	29071	29887	70854
19071	19828	19928	29820	29927	70858
19611	19829	19933	29823	29928	70860
19781	19830	19938	29824	29953	29825F
19782	19831	19953	29825	29953F	14381S
19820	19832	19957	29826	29957	24381S
19821	19833	19961	29828	29957F	19898
19822	19843	22407	29843	29957H	
19823	19845	22482S	29845	70851	
19824	19855	22483S	29845H	70852	
19825	19887	22997	29855	70853	

Siemens:

AAC1526 AAC1529 AAC1532 AAC1535

CHEMICAL FAMILY: Not applicable**SYNONYMS:** Not applicable**FORMULA:** A solution containing:

Water >99.5%
Sodium Azide <0.025%
Confidential Polymer <0.2%
And one of the following surfactants
Triton X-100 <0.02%
Sodium Dodecyl Sulfate (SDS) <0.02%
Tergitol <0.02%

SECTION 2 HAZARDOUS INGREDIENTS

Hazardous Ingredient(s):	OSHA PEL	ACGIH TLV	Other Limits Recommended
Sodium Azide	0.1 ppm skin	0.1 ppm ceiling	None
CAS #: 26628-22-8	as HN ₃ . 0.3 mg/m ³ as NaN ₃ .		

OTHER LIMITS RECOMMENDED: see toxicity data, section 5**SECTION 3 PHYSICAL DATA****BOILING POINT:** 100° C, (212° F)**SOLUBILITY IN WATER:** Infinite in water**VAPOR PRESSURE (mm Hg):** 760mm**MELTING POINT:** 0° C, (32° F)**APPEARANCE AND ODOR:** clear to slightly turbid solution with no odor**VAPOR DENSITY (AIR=1):** 0.95**SPECIFIC GRAVITY (H₂O = 1):** 1.00**EVAPORATION RATE (BUTYL ACETATE = 1):** NA**SECTION 4 FIRE AND EXPLOSION HAZARD DATA****FLASH POINT (METHOD USED):** Not flammable**FLAMMABLE LIMITS:**

LEL: Not applicable

UEL: Not applicable

FIRE EXTINGUISHING MEDIA: Suitable to cause of fire**SPECIAL FIRE FIGHTING PROCEDURES:** Suitable to cause of fire**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** None**SECTION 5 HEALTH HAZARD EFFECTS AND FIRST AID****ROUTES OF ENTRY:** Inhalation? No. Skin? Yes. Ingestion? Yes.**HEALTH HAZARDS (ACUTE & CHRONIC):** Not expected to be a health hazard.**CARCINOGENICITY:** OSHA? NTP? IARC Monographs?
Not listed**TOXICITY DATA (RTECS, 1986) Sodium Azide:**

Oral rat LD50: 27mg/kg

Skin rabbit LD50: 20mg/kg

SIGNS AND SYMPTOMS OF EXPOSURE: Nausea, vomiting, headache, restlessness, and diarrhea.**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY****EXPOSURE:** None**EMERGENCY FIRST AID PROCEDURES:****Eye Exposure:** Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.**Skin Exposure:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately**Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water, or milk if available and sticking finger down throat. Call a physician immediately. Never give anything by mouth to an unconscious person.**Inhalation:** Not applicable.**SECTION 6 REACTIVITY DATA****STABILITY:** Stable. May flocculate at temperatures below 0°C**CONDITIONS TO AVOID:** Extremes in temperature.**INCOMPATIBILITIES (MATERIALS TO AVOID):** Water reactive chemicals**HAZARDOUS DECOMPOSITION PRODUCTS:** None**HAZARDOUS POLYMERIZATION:** Will not occur**SECTION 7 SAFE HANDLING AND USE****Steps to be taken if material is released or spilled:** Wear standard laboratory protective gear and use standard laboratory safety equipment. Absorb solution with inert material.**WASTE DISPOSAL METHOD:** DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store away from extremes in temperature. Prevent from freezing. Freezing causes flocculation. Do not break seal. If seal is broken, the value of the standard is no longer valid. Do not shake. Shaking induces air bubbles and increases the turbidity.**OTHER PRECAUTIONS:** None**SECTION 8 CONTROL MEASURES****RESPIRATORY PROTECTION:** Not necessary in normal use.**VENTILATION SYSTEMS:** General mechanical ventilation satisfactory in normal use.**EYE PROTECTION:** Safety glasses**SKIN PROTECTION:** Rubber gloves**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Lab coat, eye wash, safety shower**WORK/HYGIENIC PRACTICES:** Wash well after handling. Avoid skin contact.

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