

**MSDS****Material Safety Data Sheet**

24 HOUR EMERGENCY  
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## Scott's Tap Water Substitute

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### SECTION 1 PRODUCT INFORMATION

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NAME: Scott's Tap Water Substitute  
 AZER SCIENTIFIC ORDER NUMBERS: ES776  
 SYNONYMS: Bluing Reagent  
 CAS NO: Does not apply  
 FORMULA: Does not apply  
 DOT INFORMATION: Proper Shipping Name - "Diagnostic solutions" (Not Regulated)

\*\*\*\*LABEL HAZARD STATEMENT AND PRECAUTIONS\*\*\*\*

NOT FOR FOOD, DRUG, THERAPEUTIC OR HOUSEHOLD USE. Although this product does not normally require specific hazard precautions, chemical users should always take care to minimize personnel exposure and workplace contamination.

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### SECTION 2 NON- HAZARDOUS INGREDIENTS / COMPOSITION INFORMATION

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INGREDIENT/CAS NO	CAS number	OSHA PEL	ACGIH TLV
Magnesium Sulfate 2%	100034-99-8	NA	NA
Sodium Bicarbonate <1%	144-55-8	NA	NA

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### SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

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VAPOR PRESSURE (mm Hg/20°C): 96                      VAPOR DENSITY(Air 1:1): 1.11  
 SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1                      PERCENT VOLATILE BY VOL: 91%  
 EVAPORATION RATE(ether = 1): >1                      BOILING POINT: 212°F  
 APPEARANCE AND ODOR: Clear, odorless liquid.  
 SOLUBILITY IN WATER: Complete

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### SECTION 4 FIRE / EXPLOSION HAZARD DATA

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NFPA RATINGS: (Estimated) HEALTH: 0      FIRE: 0      REACTIVITY: 0  
 FLASH POINT (C): NA  
 AUTOIGNITION TEMPERATURE (C): Does not apply  
 FLAMMABLE LIMITS (%) UEL: Does not apply      LEL: Does not apply  
 EXTINGUISHING MEDIA: Water spray, Dry chemical, CO<sub>2</sub>.  
 SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes under fire conditions.

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## SECTION 5 REACTIVITY DATA

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STABILITY: Stable

CONDITIONS TO AVOID: Normal precautions.

MATERIALS TO AVOID: Strong oxidizers, chromic anhydride, perchloric acids, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon

HAZARDOUS POLYMERIZATION: Does not occur.

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## SECTION 6 HEALTH HAZARD DATA

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ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Not expected to have any adverse health effects when used as intended.

SKIN CONTACT: Not expected to have any adverse health effects when used as intended.

EYE CONTACT: Not expected to have any adverse health effects when used as intended.

SKIN ABSORPTION: Not expected to have any adverse health effects when used as intended.

INGESTION: Not expected to have any adverse health effects when used as intended.

CHRONIC: Not expected to have any adverse health effects when used as intended.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I

CARCINOGENICITY: None

### \*\*\*FIRST AID PROCEDURES\*\*\*

EYE CONTACT: Flush with water thoroughly. Contact a physician if irritation persists.

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and water.

INHALATION: Remove person to fresh air. If not breathing give artificial respiration and contact physician.

INGESTION: Rinse mouth thoroughly with water, provided the person is conscious and contact a physician.

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## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Isolate the spill with sand or other absorbent material. Place all contaminated material in a closed container for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Normal Laboratory precautions.

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## SECTION 8 CONTROL MEASURES

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VENTILATION: Mechanical exhaust is sufficient.

RESPIRATORY PROTECTION: Not normally required. If used in poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

EYE PROTECTION: Chemical splash safety goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat, normal laboratory apparel suggested by Good Laboratory Practices.

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