

SAFETY DATA SHEET



Conforms to regulation (EC) no. EU 453/2010

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Scott's Tapwater

Product Number: HS-404

1.2 Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Investigational research by professional users

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer

National Diagnostics
305 Patton Drive
Atlanta, GA 30036
(404) 699-2121
(800) 526-3867
info@nationaldiagnostics.com

1.4 Emergency Telephone Number

ChemTel Inc.

Contract number MIS8894340
1-800 255-3924 (United States, Canada, Puerto Rico & US Virgin Islands)
01-800-099-0731 (Mexico)
400-120-0751 (China)
000-800-100-4086 (India)
1-300-954-583 (Australia)
0-800-591-6042 (Brazil)
+1-813-255-3924 (All other regions)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Not a hazardous substance or mixture according to regulation (EC) No. 1272/2008.

2.2 Label Elements

This product has no labeling elements associated with EC directives or respective national laws.

2.3 Other Hazards

None found.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Names/Description

Buffered alternative to tapwater for hematoxylin and Eosin slide bluing.

Component List

| Component | % Comp. | CAS # | EC # | 1278/2008 Classification |
|-------------------|---------|------------|-----------|--------------------------|
| Magnesium sulfate | 2 | 10034-99-8 | 231-298-2 | N.A. |

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

If irritation develops, remove victim to fresh air. Get medical attention if symptoms persist.

Ingestion

If small quantities are swallowed, rinse out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or drowsy person. If large amounts are swallowed or if irritation or discomfort occurs, get medical attention.

Skin

Wash skin with soap and water after handling.

Eyes

Flush eyes with water, holding the eyelids apart. Get medical attention if irritation persists.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Inhalation

Symptoms may include coughing and shortness of breath.

Ingestion

Symptoms may include irritation and reddening to the mucous membranes of the mouth, esophagus, and gastrointestinal tract.

Skin

Symptoms may include irritation with redness and pain.

Eyes

Symptoms may include irritation, redness, pain, and corneal damage.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Unknown/not applicable

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use any media that is suitable for the surrounding fire.

5.2 Special Hazards Arising from the Substance/Mixture

Hazardous Combustion Products

Oxides of carbon, sulfur, and magnesium.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: oxides of carbon, sulfur, and magnesium.

Hazardous Polymerization

N.A.

5.3 Advice for Firefighters

None normally required.

5.4 Further Information

No data available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Wear appropriate protective equipment.

6.2 Environmental Precautions

Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

6.3 Methods and Materials for Containment and Cleaning Up

Stop spill at the source if it is safe to do so. Absorb with an inert material and place into an appropriate container for disposal.

6.4 References to Other Sections

For disposal information, see Section 13. For protective clothing and equipment, see Section 8.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Keep containers closed when not in use.

7.2 Conditions for Safe Storage (including any incompatibles)

Store in dark, cool area away from direct sunlight.

Incompatibles

No information available

7.3 Specific End Uses

Investigational research by professional users

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PRECAUTIONS

8.1 Control Parameters

ACGIH Threshold Limit Value (TLV): Not listed

OSHA Permissible Exposure Limit (PEL): Not listed

8.2 Exposure Controls

Engineering Controls

Use with adequate ventilation to minimize exposure.

Respiratory Protection

None.

Eye Protection

Wear safety goggles to prevent splashing.

Skin Protection

None.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical & Chemical Properties

| | | | |
|--|---------------------------|---|-----------------|
| a. Appearance | Clear, colorless solution | b. Odor | None |
| c. Odor Threshold | N.A. | d. pH | 8 |
| e. Melting/Freezing Point (°C) | -5 | f. Boiling point (°C) | 106 |
| g. Flash Point (°C) | N.A. | h. Evaporation Rate | Water |
| i. Flammability | N.A. | j. Upper/Lower Flammability or Explosive Limits | N.A. |
| k. Vapor Pressure | 17 | l. Vapor Density (Air = 1) | 0.62 |
| m. Relative Density | 1.02 | n. Water Solubility | Miscible |
| o. Partition Coefficient n-octanol/water | Mixture | p. Autoignition Temperature (°C) | N.A. |
| q. Decomposition Temperature (°C) | N.A. | r. Viscosity | N.A. |
| s. Explosive Properties | N.A. | t. Oxidizing Properties | Not an oxidizer |

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under recommended conditions of use.

10.2 Chemical Stability

Stable under normal conditions of use and storage.

10.3 Possibility of Hazardous Reactions

N.A.

10.4 Conditions to Avoid

Strong oxidizing agents.

10.5 Incompatible Materials

No information available

10.6 Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: oxides of carbon, sulfur, and magnesium.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product LD50 Values

Oral Rat LD50 (mg/kg)

N.A.

Dermal Rabbit LD50 (mg/kg)

N.A.

Component Cancer List Status

| | NTP Carcinogen | | IARC Category |
|-------------------|----------------|-------------|---------------|
| | Known | Anticipated | |
| Magnesium sulfate | No | No | None |

Potential Health Effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. May cause skin irritation.

Eyes

May cause eye irritation.

Carcinogenicity

Not listed by OSHA, ACGIH, NIOSH, NTP or IARC as a known or anticipated carcinogen.

Mutagenicity

No information available.

Reproductive Toxicity

No information available.

Teratogenic Effects

No information available.

Routes of Entry

Inhalation, ingestion or skin contact.

Target Organ Statement

No information available

SECTION 12 - ECOLOGICAL INFORMATION**12.1 Toxicity**

| | Vertebrates | Invertebrates | Algae | Microorganisms |
|--|-------------|-----------------------------|----------------------------|----------------|
| Aquatic Toxicity (ppm unless otherwise noted) | No data | LC50 (48hr, daphnia) 720 | EC50 (18 days) 2700mg/l | No data |
| | Birds | Arthropods | Plants | Microorganisms |
| Terrestrial Environment Toxicity (ppm unless otherwise noted) | No data | No data | No data | No data |

12.2 Persistence and Degradability

No data

12.3 Bioaccumulative Potential

No data

12.4 Mobility in Soil

No data

12.5 Results of PBT and vPvB Assessment

not PBT / vPvB

12.6 Other Adverse Effects

None

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods**

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

SECTION 14 - TRANSPORT INFORMATION

| | ADR/RID | IATA | IMO | DOT |
|----------------------------|---------|------|------|------|
| 14.1 UN Number | N.A. | N.A. | N.A. | N.A. |
| 14.2 Shipping Name | N.A. | N.A. | N.A. | N.A. |
| 14.3 Hazard Class | N.A. | N.A. | N.A. | N.A. |
| 14.4 Packing Group | N.A. | N.A. | N.A. | N.A. |
| 14.5 Environmental Hazards | N.A. | N.A. | N.A. | N.A. |
| 14.6 Special Precautions | N.A. | N.A. | N.A. | N.A. |

SECTION 15 - REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture****United States****TSCA Regulatory Statement**

All of the components are listed on the TSCA inventory.

SARA 311/312 Hazard Categories

| Component | Fire | Pressure | Reactivity | Acute | Chronic |
|-------------------|-------------|-----------------|-------------------|--------------|----------------|
| Magnesium sulfate | No | No | No | Yes | No |

Europe**EEC Regulatory**

All of the components of this product are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

SECTION 16 - OTHER INFORMATION**Revisional Updates**

4/26/2019 - Updated Section 1.4

5/29/2015 - Updated Sections 2.1 and 3.2

1/9/2014 - Released Version 1.0

NFPA Codes

Health 0 Flammability 0 Reactivity 0

Dangers

Magnesium sulfate

None

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