

Safety Data Sheet


OSHA's Hazard Communication Standard, 29 CFR 1910.1200

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that. Consult the standard for specific requirements.

Section 1 – Product and Company Information

Product name:	Arsenic Quick™ test kit for arsenic		
Product number:	481396	Telephone numbers:	
Recommended use:	Used to detect arsenic in water	Emergency Telephone (Poison Control):	1-800-222-1222
Restricted use:	Not applicable	Manufacturer:	803-329-9712
Mfg. name:	Industrial Test Systems, Inc.		
Mfg address:	1875 Langston St. Rock Hill, SC		

Section 2 – Hazard Identification

Hazard (s): 	DANGER, TOXIC: May be fatal if swallowed. CORROSIVE: Causes skin and eye damage. IRRITANT: Irritation to nose and throat. WARNING: Pad contains mercury
Required labeling:	Not applicable

Section 3 – Composition/Information on Ingredients (list only ingredients classified as health hazards)

Reagent	CAS	TSCA #	RTECS #	%	Hazard
Potassium Peroxymonosulfate	10058-23-8	NA	NA	43	NA
Potassium Bisulfate	7646-93-7	NA	NA	23	NA
Potassium Sulfate	7778-80-5	NA	NA	29	NA
Potassium Peroxydisulfate	7727-21-1	NA	NA	3	NA
Magnesium Carbonate	546-93-0	NA	NA	2	NA
Zinc	7440-66-6	NA	NA	>99	Toxic, irritant
Mercuric Bromide	7789-47-1	NA	OV7415000	<1% (Approx 1mg)	Oral LD50 (rat) 40mg/kg

RTECs: Registry of Toxic Effects of Chemical Substances TSCA: Toxic Substances Control Act

Section 4 – First-aid measures

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Contact area	First-aid
Eyes	Flush with large amounts of cold water for 15 minutes. Call a physician immediately
Skin	Rinse with large amounts of water for 15 minutes. Remove contaminated clothing
Ingestion:	<p>SECOND REAGENT: If swallowed, do not induce vomiting. Drink 1 – 2 glasses of water to dilute the stomach contents. Do not give water to the victim if they are unconscious. Call a physician immediately.</p> <p>THIRD REAGENT: If swallowed wash out mouth with water. If a large amount is swallowed call a physician. Antidote: calcium disodium edetate/dextrose, intravenous; calcium disodium edetate/procaine, intramuscular.</p> <p>TEST STRIP: Rinse mouth with water. As a precaution call a physician or Poison Control</p>
Inhalation	If inhaled, remove person to fresh air source. If breathing is still difficult, have a trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.
Most likely effect	Irritation of skin and nose

Section 5 – Fire-fighting Measures

Extinguishing media:	<p>SECOND REAGENT: water</p> <p>THIRD REAGENT: Dry chemical, sand, lime, soda ash.</p>
Explosion Hazard:	<p>SECOND REAGENT: Not flammable or combustible. Will release oxygen when heated, acidic mist may be present</p> <p>THIRD REAGENT: Not normally flammable. Very fine dust may form explosive mixtures with air</p>
Flash point:	Not applicable
Special fire fighting procedures:	<p>THIRD REAGENT: Do not use water or foam</p>

Section 6 – Accidental Release Measures

<p>REAGENTS: Do not touch spilled material. Avoid heat, flames, sparks and other sources of ignition. Remove sources of ignition. Collect material into suitable, loosely covered container for disposal. Do not get water directly on material. Do not breathe dust. Wash hands.</p> <p>TEST STRIPS: Sweep up strips and into into a plastic bag labeled "Used Test Strips." Dispose of used strips per local environmental and regulatory requirements. Wash hands after use.</p>

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Section 7 – Handling and Storage

GENERAL: Use standard hygienic practices (no eating, drinking, or smoking) around the product. Wash hands after use. Keep away from children and pets. Keep container tightly closed.

SECOND REAGENT: Mixing with compounds containing halides or active halogens can cause release of the respective halogen in the presence of moisture. Mixing with cyanides can cause release of hydrogen gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.

Section 8 – Exposure Controls/Personal Protection

OSHA Permissible limits:	No data
Engineering controls:	Adequate ventilation. Use dust mask if there is a large spill.
Personal Protective Equipment (PPE):	Use PPE appropriate for the surroundings
Other:	Use gloves to prevent contact irritation. Use eye protection to prevent droplets from entering the eye. Ensure an eyewash station is available

Section 9 – Physical and chemical properties

SECOND REAGENT

Appearance:	White, granular free-flowing solid	Melting/freezing point:	Not applicable	Decomposition temperature:	No data
Upper/Lower flammability limits:	No data	Solubility:	Not applicable	Viscosity:	Not applicable
Odor:	odorless	Initial Boiling point/Range:	NA		
Vapor Pressure:	Not volatile	Flash point:	No data		
Odor threshold:	Not applicable	Evaporation rate:	Not applicable		
	Not applicable	Flammability:	flammable		
pH:	2.3 (1% in water)	Partition coefficient:	Not applicable		
Relative Density:	1.1 – 1.4	Auto-ignition temperature:	No data		

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THIRD REAGENT

Appearance:	Grayish, powdery solid	Melting/freezing point:	420oC/NA	Decomposition temperature:	No data
Upper/Lower flammability limits:	No data	Solubility:	reacts	Viscosity:	Not applicable
Odor:	odorless	Initial Boiling point/Range:	Not applicable		
Vapor Pressure:	1mmHg @ 487°C	Flash point:	No data		
Odor threshold:	Not applicable	Evaporation rate:	Not applicable		
Vapor Density:	Not applicable	Flammability:	flammable		
pH:	Not applicable	Partition coefficient:	Not applicable		
Relative Density:	7.14	Auto-ignition temperature:	No data		

TEST STRIP

Appearance:	Off-white Pad on plastic handle	Melting/freezing point:	Not applicable	Decomposition temperature:	No data
Upper/Lower flammability limits:	No data	Solubility:	Not applicable	Viscosity:	Not applicable
Odor:	odorless	Initial Boiling point/Range:	Not applicable		
Vapor Pressure:	Not volatile	Flash point:	No data		
Odor threshold:	Not applicable	Evaporation rate:	Not applicable		
Vapor Density:	Not applicable	Flammability:	flammable		
pH:	Not applicable	Partition coefficient:	Not applicable		
Relative Density:	Not applicable	Auto-ignition temperature:	No data		

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Section 10 – Stability and Reactivity

GENERAL: Product is stable under normal conditions. Hazardous polymerization will not occur.

SECOND REAGENT: Reacts with zinc, silver, and/or aluminum in the presence of water or moisture to rapidly release explosive hydrogen gas.

THIRD REAGENT: Product is stable under normal conditions. Hazardous polymerization will not occur. Finely divided powder may react with water. Keep away from acids, bases, metals, oxidizers, reducing agents, combustible materials

Section 11 – Toxicological information

SECOND REAGENT - Acute Effects:

- Skin absorption: > 11,000 mg/kg (rabbits)
- Oral LD₅₀: 2,000 mg/kg (rats)
- Inhalation LC₅₀: > 5 mg/l (rats) (4 hour)

THIRD REAGENT: EYE CONTACT - Dust may cause mechanical irritation or injury to the surface of the eye, with discomfort, reddening, and tearing. Direct contact may cause serious corneal burns.

SKIN CONTACT - Dust may cause mechanical irritation and mild dermatitis

INGESTION - Large oral doses may cause gastrointestinal distress with stomach cramps, dehydration, electrolyte imbalance, abdominal pain, nausea, vomiting, hematemesis (vomiting of blood), and diarrhea, lethargy, immune system effects, fever, and dizziness, tightness in the throat, shock, collapse, renal failure, and death.

TEST STRIP: Each strip contains about 1 mg Mercuric Bromide; exposure is very low. Material, however, is toxic and should be handled carefully to minimize exposure. Place all used test strips into a plastic bag labeled "Used Test Strips." Dispose of used strips per local environmental and regulatory requirements. Wash hands after use

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Section 12 - Ecological information

Data not available

Section 13 – disposal considerations

Dispose in normal trash.
Do not breathe dust.
At no time should First Reagent, Second Reagent, and Third Reagent be mixed together in dry (powder) form

Section 14 – Transport considerations

Not applicable - Packaged as part of a reagent set.

Section 15 – Regulatory information

The above information is believed to be correct, but does not claim to be all-inclusive, and shall be used ONLY as a guide. Keep away from children and pets. Store in a dry, cool place. Keep container tightly closed.

Section 16 – Other information

Preparer:	H. R.
Date prepared:	10-10-16
Supersedes revision:	Not applicable
Disclaimer:	The information in this Safety Data Sheet is accurate to the best of our knowledge. It is designed only as guidance for safe use, handling, storage, and disposal. This information is not considered to be a warranty or a quality specification. This company shall not be held liable for any damage resulting from handling or from contact with the above product.