

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
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Date Prepared: 12/03/98
CAT #: K7304-1

Product Trade name: Periodic Acid Solution
Product Description: Periodic / Schiff's Stain Kit Component

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Periodic Acid	10450-60-9	n/a	n/a	n/a

Section II Physical and Chemical Characteristics

Specific Gravity: 1.1 (water = 1.0)@ 77 F
Solubility in Water : Soluble
SP. Gravity of Vapor: n/a
Evaporation Rate (n-Bu Acetate = 1): n/a
Vapor Pressure: n/a
Viscosity : n/a
Boiling Point: 168 F

Color: Colorless **Odor:** Mild Acidic Odor **State:** Liquid

Section III Stability and Reactivity

Stability: Stable
Conditions to Avoid : n/a
Hazardous Polymerization: Will not occur
Incompatible Materials: Strong Alkalines, Metals, Chlorides
Hazardous Decomposition Products: n/a

Section IV Fire and Explosion Data

Flashpoint: Non-flammable
Flammable Limits: **LEL:** n/a **UEL:** n/a
Autoignition Temperature: n/a
Extinguishing Media: Foam, Dry Chemical, Water Spray, CO2;
Special Fire Fighting Procedure: Product is considered an Oxidizer and may cause extensive fire conditions near product.
Decomposition Products Under Fire Conditions: n/a

Section V Health Hazard Data

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Periodic / Schiff's Stain Kit MSDS

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Acute Health Effects:

Eye Contact: May cause eye irritation

Skin Contact: May cause skin irritation

Inhalation: This product is not anticipated to produce an inhalation hazard under normal conditions of usage.

Ingestion: Exposure by ingestion may be toxic

Chronic Health Effects:

Eye Contact: Prolonged exposure will cause eye irritation and possibly chemical burns to eyes

Skin Contact: Prolonged exposure may cause skin irritation and mild burns

Inhalation: This product is not anticipated to produce an inhalation hazard under normal conditions of usage.

Ingestion: Repeated exposure by ingestion may cause general deterioration of health by accumulation in one or more human organs. Accumulated exposure may be fatal

Medical Conditions Aggravated by Exposure: n/a

Section VI Emergency First Aid Procedures

Eye Contact: Flush eye with copious amounts of water or saline solution. Seek Medical Attention.

Skin Contact: Wash contact area with soap and water. If symptoms persist seek medical attention.

Inhalation: Remove employee to well ventilated area. If breathing has ceased, initialize mouth to mouth resuscitation by a trained personnel. Make sure to check airway for objects blocking breathing. Seek medical attention.

Ingestion: Induce vomiting if victim is conscious. Have victim drink several glasses of milk or water and seek immediate medical attention. DO NOT INDUCE VOMITING on unconscious person, but remove obstacles blocking air passage. Seek immediate medical assistance and attention.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves, goggles and approved respirator. Absorb spill with acid neutralizing absorbent. If not available, add baking soda to spill, followed with an absorbent material such as sand or paper towels. Clean spill with soap and water. Never use bleach or products containing chlorine or sodium hyposulfites.

Waste Disposal: All waste must be disposed in accordance to local, state, and federal regulations.

Storage: Store in original container or LDPP, HDPE or any plastic container. Corrosive to metals. Store in Refrigerator.

Section VIII Personal Protection and Handling

Ventilation: No special respiratory protection is recommended under anticipated normal use.

Respiratory Protection: No special respiratory protection is recommended under anticipated normal use.

Eye Protection: Wear goggles or splash resistant eyewear.

Protective Gloves: Wear latex gloves or impermeable protective gloves.

Other Protective Clothing or Equipment: Wear a rubber or plastic lab apron.

Hygienic Practices: Wash hands before meals or breaks.

Federal and State Regulations: n/a

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