

# Safety Data Sheet

Periodic Acid 0.5%

Revision Date: 07/09/19

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>1.1 Product identifier</b>	Trade name: Periodic Acid 0.5% Product code(s): 3376-16
<b>1.2 Relevant identified uses</b>	Laboratory Reagent
<b>Supplier:</b>	Astral Diagnostics Inc. 800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
<b>Synonym:</b>	None.
<b>Material uses:</b>	Laboratory Reagent.
<b>Validation date:</b>	12/11/2013
<b>In case of emergency:</b>	800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin Corrosion (Category 1A), H314

### GHS Label Elements: Pictogram



Signal Word

Danger!

### Hazard Statements

H314 Causes severe skin burns and eye damage

### Precautionary Statements:

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection.

305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### NFPA Rating

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

### HMIS Classification

Health hazard: 3

Flammability: 0

Physical hazards: 0

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Periodic Acid	10450-60-9	<1
Water	7732-18-5	99

#### 4. FIRST AID MEASURES

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*

**First-aid measures after skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

**First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

#### 5. FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
 Unsuitable extinguishing media: Do not use a heavy water stream

##### 5.2 Special hazards arising from the substance or mixture

No additional information available

##### 5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### 6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.  
 Emergency procedures: Evacuate unnecessary personnel.

###### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.  
 Emergency procedures: Ventilate area.

##### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

##### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

##### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

**Hygiene measures:** Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures:** Comply with applicable regulations.

**Storage conditions:** Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Consult local authorities for acceptable exposure limits.

Contains no substances with occupational exposure limit values

**Engineering measures:** Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne concentrations below any recommended threshold limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating and using the lavatory. Wash contaminated clothing before reusing.

### Personal protection:

**Respiratory:** If used in poorly ventilated areas, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels.

**Hands:** Chemical-resistant neoprene gloves

**Eyes:** Safety eyewear; splash goggles

**Skin:** Lab coats for personal protective equipment and should be approved by a specialist before handling this product.

### Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid

**Flash Point:** NA

**pH:** ~1.77

**Melting/freezing point:** NA

**Color:** Clear

**Odor:** NO

**Boiling/condensation point:** NA

**Relative density:** NA

Vapor pressure: NA  
Odor threshold: NA  
VOC: NA

Vapor density: NA  
Evaporation rate: NA  
Solubility: Soluble in the following materials: water

## 10. STABILITY AND REACTIVITY

**Chemical stability:**

No data available

**Possibility of hazardous reactions:**

No data available

**Conditions to avoid:**

No data available

**Materials to avoid:**

Strong bases, powdered metals, strong reducing agents, Dimethyl sulfoxide

**Hazardous decomposition products:**

Formed under fire- hydrogen iodide

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

No data available

**Other information on acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

Eyes: no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Aspiration hazard**

no data available

## 12. ECOLOGICAL INFORMATION

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

## 13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with

applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

DOT (US) Not Regulated

## 15. REGULATORY INFORMATION

### 15.1 US Federal regulations

No components listed on the United States TSCA (Toxic Substances Control Act) Inventory  
No components listed on SARA section 313 (specific toxic chemical listings)

### 15.2 International regulations

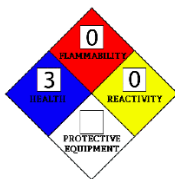
No Components listed

### 15.3 California Proposition 65

This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## 16. OTHER INFORMATION

### National Fire Protection Association (U.S.A.)



### Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Astral Diagnostics, Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.