SAFETY DATA SHEET



Revision Date 20ŒŒ Version 1

1. IDENTIFICATION

Periodic Acid **Product Name**

ÚŒI €ËÚY ÖÜÊÄÜÍÎ € **Product Code**

CAS No. 10450-60-9 **Chemical Formula** H₅IO₆

Recommended Use For laboratory, scientific, R&D or manufacturing use.

Ôæ} &^\ÁÖæë*}[•ææ•, Inc. Company

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Call CHEMTREC 1-800-424-9300 **Emergency Telephone**

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Oxidizing solids	Category 2

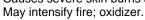
Label elements

Signal word

Danger

Hazard statements

Causes severe skin burns and eye damage.





Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep/Store away from clothing/ combustible materials. Take any precaution to avoid mixing with combustibles.

Precautionary Statements - Response

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Immediately call a POISON CENTER or doctor/physician.

IF IN EYES: 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.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. In case of fire: Use CO2, dry chemical, or foam for extinction.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Periodic acid	10450-60-9	>95

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Immediately flush with plenty of water for at least 15 minutes, separating eyelids

occasionally. Remove contact lenses if present. Get immediate medical attention.

Skin contact Wash off immediately with soap and plenty of water. Remove contaminated clothing and

shoes. Get medical attention.

Inhalation Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center

immediately.

Most important symptoms and effects, both acute and delayed

Symptoms Causes severe skin burns and eye damage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Use water spray or fog; do not use straight streams

Specific hazards arising from the chemical

Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).

Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

NFPA Health hazards 3 Flammability 0 Instability 2 Physical and Chemical Properties OX

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Periodic Acid

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Ensure adequate ventilation, especially in

confined areas.

Remove all sources of ignition. For emergency responders

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling Use personal protective equipment as required

Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Take any precaution to avoid mixing with combustibles. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

This product, as supplied, does not contain any hazardous materials with occupational Occupational exposure limits

exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Controls Emergency showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Wear protective gloves and protective clothing. Skin and body protection

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Solid Off-white **Appearance** Odorless Odor

No information available **Odor threshold**

No information available Ha

Melting point / freezing point

122 C Boiling point / boiling range No information available

Flash point No information available

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Evaporation rateFlammability (solid, gas)
No information available
No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density
Relative density
Water solubility
No information available
No information available
No information available
No information available
Soluble in water

Water solubility
Solubility in other solvents
Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity
Soluble in water
No information available
No information available
No information available

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to avoid Extremes of temperature and direct sunlight. To avoid thermal decomposition, do not

overheat.

Incompatible materialsTake any precaution to avoid mixing with combustibles. Strong reducing agents.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.

Eve contact Risk of serious damage to eyes.

Skin contact May cause burns.

Ingestion Harmful if swallowed.

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes severe burns.

Serious eye damage/eye irritation Causes burns and risk of serious eye damage. May cause blindness.

Irritation Causes severe irritation and or burns.

SensitizationNo information available.Germ cell mutagenicityNo information available.

Carcinogenicity This chemical does not contain any carcinogens or potential carcinogens as listed by

ACGIH, OSHA, IARC or NTP

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container. Emptied containers may contain residue. Continue to follow label

warnings after container is emptied.

14. TRANSPORT INFORMATION

Transportation information is provided as a general reference only and may not be applicable in all situations. This information applies to non-bulk shipments only. Per 49 CFR §173.22, it is the shipper's responsibility to ensure that all materials are properly packaged, classified and labeled prior to shipment.

DOT

UN/ID no. 3085

Proper shipping name Oxidizing solid, corrosive, n.o.s. (periodic acid)

Hazard Class 5.1 Packing Group III

<u>IATA</u>

UN/ID no. 3085

Proper shipping name Oxidizing solid, corrosive, n.o.s. (periodic acid)

Hazard Class 5.1 Packing Group III

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40

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CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This chemical does not contain any substances regulated by state right-to-know regulations

16. OTHER INFORMATION

Prepared By ÔÖQRegulatory Affairs (Email: &[{] [ãæ} &^@ &æ} &^\åãæt* }[• cã&• .com)

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End of Safety Data Sheet